



Don Newton
Project Manager

December 23, 2021

Mr. Andrew Kocher
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U.S. Environmental Protection Agency, Region 5
25063 Center Ridge Road
Westlake, Ohio 44145

**Subject: Removal Action Report (Revision 0)
Bishopgate Properties Removal Site
Uniontown, Stark County, Ohio
EPA Contract No. 68-HE-0519-D0005
Task Order-Task Order Line Item No. F0032-0001CH108
Document Tracking No. 0847**

Dear Mr. Kocher:

The Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting the enclosed Removal Action Report, Revision 0 for the Bishopgate Properties Removal Site. This report summarizes the time-critical removal action conducted from September 8, 2021 through October 22, 2021.

If you have any questions regarding this report, please call me at (419) 262-0108.

Sincerely,

A handwritten signature in black ink that reads 'Don Newton'.

Don Newton
Project Manager

Enclosure

cc: Chris Burns, Tetra Tech Program Manager
TO-TOLIN File

**REMOVAL ACTION REPORT
BISHOPGATE PROPERTIES REMOVAL SITE
UNIONTOWN, STARK COUNTY, OHIO**

Revision 0

Prepared for

U.S. Environmental Protection Agency
Emergency Response Branch
Region 5
25063 Center Ridge Road
Westlake, Ohio 44145



Submitted by

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1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) contracted Tetra Tech, Inc. (Tetra Tech) to provide support for a time-critical removal action at the Bishopgate Properties Removal Site (the Site), located at 12777 Mogadore Avenue NW, Uniontown, Stark County, Ohio. The purpose of the time-critical removal action was to mitigate threats to public health, welfare, and the environment posed by the presence of uncontrolled hazardous substances and asbestos containing materials (ACM) at the Site. This work was assigned under Superfund Technical Assessment and Response Team (START) Contract No. 68-HE-0519-D0005, Task Order-Task Order Line Item No. F0032-0001CH108.

EPA tasked Tetra Tech to perform the following activities at the site:

- Develop a site-specific Health and Safety Plan and an Emergency Contingency Plan
- Develop a site-specific Air Monitoring and Sampling Plan
- Conduct particulate air monitoring and air, soil, and bulk asbestos sampling during removal action activities
- Provide technical oversight for EPA, including photographic and written documentation of site activities in a field logbook, on field data sheets, and in daily and weekly reports
- Submit a removal action report that summarizes the removal action activities

This removal report discusses the Site location and description in Section 2.0, describes the removal action activities in Section 3.0, provides a summary of the removal action activities completed in Section 4.0, and includes references in Section 5.0.

Site figures are provided in Appendix A; site tables are provided in Appendix B; a photographic documentation log is provided in Appendix C; the field logbook is provided in Appendix D; the analytical data validation report is provided in Appendix E; the environmentally preferred practices checklist is presented in Appendix F; and copies of the disposal manifests in Attachment 1.

2.0 SITE LOCATION AND DESCRIPTION

This section describes the Site location and includes a description of the Site's features and regulatory history.

2.1 SITE LOCATION

The Bishopgate Properties Site is located at 12777 Mogadore Avenue NW in Uniontown, Stark County, Ohio (Appendix A, Figure 1). The Site is comprised of one parcel (Parcel ID 2206217) totaling 16.83 acres in a mixed residential and agricultural area. The geographic coordinates at the approximate center of the Site are 40.973213 degrees north latitude and -81.393628 degrees west longitude. The property is zoned R: Other Residential Structures and the on-site structures are currently vacant. Adjoining properties are residential or agricultural.

2.2 SITE DESCRIPTION

The Site was developed for commercial use and occupied by Delbert-Smith Wholesale Greenhouse Operations until 2005 (Pandey). Various demolition activities have occurred since 2006, including the demolition of three greenhouses located near the eastern portion of the property. During the demolition, ACM were potentially scattered across the property, as no abatement of ACM was performed prior to demolition. The Canton City Health Department (CCHD) became involved with the property during the demolition activities when they cited Delbert-Smith Wholesale Greenhouse for demolishing a building known to contain ACM without proper abatement.

Between 2015 and 2016, a Phase II Environmental Site Assessment (ESA) was completed on the entire parcel by Pandey Environmental, LLC (Pandey). During the Phase II ESA, asbestos contamination, consisting of cementitious building board (transite) on the surface and chrysotile asbestos in the top 6-inches of soil, was delineated on an approximately 3-acre area near the center of the property. EPA did not provide a copy of the Phase II ESA at the time of this writing. However, a copy of the Remedial Action Plan (RAP), dated November 18, 2016 and also completed by Pandey, was reviewed by EPA and START. Recommendations in the plan included: (1) abandonment of two existing wells at the property; (2) asbestos abatement and demolition of the remaining on-site structures; (3) excavation of the top 6-inches of soil across the remedial excavation area; and (4) off-site disposal of a total of 2,500 to 3,750 tons of soil. A copy of the RAP was previously submitted to EPA as part of the START removal assessment report (Tetra Tech 2021a).

Included in the RAP were the results of an asbestos survey completed by the EA Group, Inc. (EA) during June of 2016. EA collected 51 bulk samples from 24 identified homogeneous areas, not including roofing or transite materials, which were previously identified by Pandey as ACM. Materials identified in the survey as containing asbestos included drywall system debris, wall adhesive, linoleum and tiled flooring, adhesive and glazing on building windows and greenhouses, light fixture backing, carpet mastic, greenhouse glazing, corrugated transite paneling, and several piles of mixed debris.

On January 21, 2021, the Stark County Auditor requested EPA's assistance with remediation of the property on behalf of the State of Ohio. The property was subject to a delinquent property tax sale in 2009, and property ownership ultimately forfeited to the State of Ohio (Stark County Auditor 2021). EPA and START conducted an initial site reconnaissance of the property on March 5, 2021 and confirmed the presence of ACM at the Site. The Site buildings were in poor condition at the time of the initial site reconnaissance, contained exposed floor openings by sustained water intrusion throughout the interior of the buildings and were deemed unsafe for entry due to extensive damage. A removal site assessment was conducted on April 27, 28, and 30, 2021 (Tetra Tech 2021a). The assessment confirmed and delineated loose and exposed suspect ACM identified inside the Site structures, the area surrounding the footprint of the structures, and exposed surface fragments observed throughout the identified remediation area (Appendix A, Figure 2). EPA commenced a removal action at the Site on September 8, 2021.

3.0 REMOVAL ACTION ACTIVITIES

From September 8 to October 22, 2021, EPA, START, and the Emergency and Rapid Response Services (ERRS) contractor conducted removal action activities at the Site. The EPA On-Scene Coordinator (OSC), Andrew Kocher, was the primary Site contact. The START contractor was Tetra Tech, Inc. and the ERRS contractor was Environmental Quality Management, Inc. Removal activities were conducted under the direction of the EPA OSC.

Prior to the removal action, START generated a site-specific Health and Safety Plan (HASP), an Emergency Contingency Plan and an Air Monitoring and Sampling Plan (AMSP) for the Site. Site activities, including air monitoring and sampling, soil sampling, and written and photographic documentation, were provided by START personnel.

The general chronological order of activities included site preparation (Section 3.1); remediation area excavation (Section 3.2); perimeter air monitoring and sampling (Section 3.3); and waste disposal (Section 3.4). Below is a general description of each removal action activity.

3.1 SITE PREPARATION

EPA and ERRS mobilized to the Site on September 8, 2021 to prepare the Site for removal action. START mobilized to the Site on September 13, 2021. During site preparation, ERRS prepared the Site to accommodate office trailers, constructed a truck haul road and truck turn-around area to facilitate the truck loading operation, and cleared an area for the asbestos debris pile staging area. Site personnel designated Site muster points, exclusion zones, and the contamination reduction zone, as presented in the Site Emergency Contingency Plan (Tetra Tech 2021b) and Site Health and Safety Plan (Tetra Tech 2021c). EPA Superfund signs and traffic safety cones were placed in designated locations near the site entrances. ERRS also removed sections of the two former greenhouses (located between the two on-site buildings) to facilitate the transite panel removal operation from these structures. Concrete and scrap metal from the former greenhouses were stockpiled at a central staging area on-site. Asbestos containing debris segregated from the Site buildings was placed into two 20-cubic yard roll-off boxes and transported to and disposed of at American Landfill in Waynesburg, Ohio. Miscellaneous used tires were collected from various areas of the Site and staged on-site for future recycling. Miscellaneous chemical containers, including two 30-gallon drums of hypochlorite solution, were segregated from the Site buildings and from a wooded area on the northwestern portion of the Site and staged for disposal.

START provided perimeter and work zone air monitoring and conducted asbestos air sampling at the Site perimeter during Site preparation activities in accordance with the AMSP (Tetra Tech 2021d).

3.2 REMEDIATION AREA EXCAVATION

On September 16, 2021, ERRS began soil excavation in the remediation area. The removal action consisted of excavating the top 6-inches of soil in the designated area and properly disposing of the material as friable asbestos containing debris. After the material was excavated, EPA and START conducted visual inspection of the ground surface to identify any remaining loose transite material that may still be present in the soil. During the inspection, several smaller areas throughout the remediation area were identified as still containing transite. After these areas were identified, they were immediately re-excavated (or manually picked out) until no visible transite material remained, per the direction of START and EPA. The excavated material was transported to the on-site asbestos debris stockpile and then loaded onto haul trucks for transport to American Landfill in Waynesburg, Ohio, for proper disposal. Over the duration of the removal action, a total of 3,348.63 tons of asbestos-containing soil from the remediation area was transported to American Landfill for disposal.

In order to track the remediation progress, the remediation area was divided into six equal grids, as shown in Appendix A, Figure 3. Once each grid area was fully excavated and passed inspection, a confirmation soil sample was collected to verify no loose asbestos fragments remained in the grid area. START collected a 5-point composite soil sample from each excavated grid area and submitted the sample to Eurofins EMLab P&K laboratory (San Francisco, California) for analysis of asbestos fibers in soil via California Air Resources Board (CARB) Method 435. Results of the confirmation soil sampling are presented below.

TABLE 1.
REMEDIATION AREA CONFIRMATION SOIL SAMPLE RESULTS

Sample Identification	Sample Location	Asbestos Content	Comments
BP-TTA-091621	Truck Turn-around Area	Not Detected	B3 grid included in this area. 5-point composite
BP-A1-091721	Grid A1	Not Detected	5-point composite
BP-B1-092221	Grid B1	Not Detected	5-point composite
BP-A2-100721	Grid A2	Not Detected	5-point composite
BP-B2-100721	Grid B2	Not Detected	5-point composite
BP-A3-100821	Grid A3	Not Detected	5-point composite

Notes:

BP- Bishopgate Properties

TTA – Truck Turnaround Area

During the excavation activities, a 12-inch diameter transite pipe was discovered in the remediation area along the northern property boundary. The top of the pipe was situated approximately 8-inches below ground surface (bgs). At the direction of the OSC, the pipe was excavated further in an attempt to determine where the pipe daylighted. After the exploratory excavation was completed, it was determined the pipe run began near the northern building and ran for approximately 150 feet toward the west, then angled 90-degrees to the south, and ran for another 160 feet, where it terminated into a concrete block catch basin. Tetra Tech START member, Mr. Dustin Grams, a State of Ohio Certified Asbestos Hazard Evaluation Specialist, collected three bulk samples of the 12-inch transite pipe to confirm the asbestos content prior to pipe removal. The samples were submitted to Eurofins EMLab P&K (South San Francisco, California) for asbestos analysis via Polarized Light Microscopy (EPA Method 600-R-93-116). The asbestos sample results confirmed the pipe contained less than 1 percent asbestos criterium. The results of the samples are presented in Table 2 below.

**TABLE 2.
TRANSITE PIPE SAMPLE RESULTS**

Sample Identification	Sample Location	Material Description	Condition	Asbestos Content (%)	Friable/ Non-Friable
Pipe-01	Southern pipe run	Transite (white/gray)	Fair	25% Chrysotile 7% Crocidolite	Non-Friable
Pipe-02	Center of pipe near elbow	Transite (white/gray)	Fair	25% Chrysotile 7% Crocidolite	Non-Friable
Pipe-03	Northern pipe run	Transite (white/gray)	Fair	25% Chrysotile 7% Crocidolite	Non-Friable

Notes:

% = Percent

Based on the above results, the 12-inch diameter pipe was excavated and placed into the asbestos-containing debris stockpile and transported to and disposed of at American Landfill in Waynesburg, Ohio.

After the excavation was completed and confirmation soil sample results indicated no asbestos remained in the excavated soil, ERRS complete site restoration activities in remediation area. The restoration included site grading of the excavated area, seeding the entire excavated area, and watering and placing straw cover over the seeded areas. Photographs of the Site restoration activities are presented in Appendix C.

3.3 PERIMETER AIR MONITORING AND SAMPLING

START set up three perimeter air monitoring stations to characterize the ambient air during the asbestos remediation activities. Residences are located to the north, south, and southeast of the Site; therefore, START deployed an air monitoring station on the north side of the work area (AM-01), on the south side of the work area (AM-02), and adjacent to the residence located on the southeast corner of the Site (AM-03) each day during Site activities. The purpose of the air monitoring stations was to help determine whether dust particulates and/or asbestos fibers were migrating offsite during the removal action activities.

Particulate Dust Monitoring

A DustTrak (DRX) particulate dust monitor was used to conduct continuous, perimeter particulate dust monitoring at each air station. The DRX is capable of monitoring for particulate concentrations down to 0.001 milligrams per cubic meter (mg/m^3). Stationary DRX units were deployed at AM-01 and AM-03 at the start of each day, while a mobile DRX was used to monitor particulate levels at AM-02 and was also used to spot check designated areas of the Site, based on the Site activities occurring each day. The mobile DRX was used for AM-02 specifically due to the distance between the Site and the residential area being larger in comparison to AM-01 and AM-03 resident locations.

The Site action level used for dust particulate air monitoring was one half the respirable fraction ($2.5 \text{ mg}/\text{m}^3$) of the Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) for Particulates Not Otherwise Regulated of $5.0 \text{ mg}/\text{m}^3$. All perimeter monitoring stations and spot check locations monitored throughout the Site indicated that particulate dust levels remained below the Site action level during the entirety of the removal action activities.

The daily average and maximum concentrations of dust particulates measured over the duration of the removal action from each station were data logged on each instrument and recorded in the field logbook at the end of each day. The daily average and daily maximum concentrations of dust particulates recorded by START are presented in Table 3 below.

**TABLE 3.
DAILY PARTICULATE DUST MONITORING RESULTS**

Date Collected	Daily Average Particulate Dust Concentration (mg/m³)	Daily Maximum Particulate Dust Concentration (mg/m³)	Comments
9/13/21	0.048	0.132	No comment
9/15/21	0.039	0.382	No comment
9/16/21	0.029	0.141	No comment
9/17/21	0.019	0.152	No comment
9/20/21	0.018	0.471	No comment
9/21/21	0.023	0.186	No comment
9/22/21	0.000	0.000	Rain day
9/23/21	0.006	.252	No comment
9/24/21	0.024	0.841	No comment
9/27/21	0.153	4.58	High winds caused dust burst
9/28/21	0.006	0.249	No comment
9/29/21	0.062	2.79	Dust burst from TTA
9/30/21	0.046	0.725	No comment
10/5/21	0.005	2.19	No comment
10/6/21	0.002	0.145	No comment
10/7/21	0.009	0.178	No comment
10/8/21	0.021	0.209	No comment
10/12/21	0.042	0.948	No comment
10/13/21	0.017	0.168	No comment
10/14/21	0.023	0.913	No comment
10/15/21	0.051	0.121	No comment
10/18/21	0.079	0.168	No comment
10/19/21	0.088	0.193	No comment
10/20/21	0.009	0.122	No comment
10/21/21	0.016	0.174	No comment
10/22/21	0.014	0.123	No comment

Notes:

The OSHA PEL for particulates not otherwise regulated is 5.0 mg/m³

mg/m³ = milligrams per cubic meter

TTA = truck turn-around area

Radiation Screening

A radiation screening survey utilizing a Ludlum 19 dosimeter instrument, was completed by START at the Site on October 4, 2021. START screened the interior and exterior of each Site building, the Site perimeter, and a general scan of each grid in the remediation area. Background readings at the Site registered between 1 and 3 microrems per hour ($\mu\text{R/hr}$). According to the Nuclear Regulatory Commission (NRC), the average radiation level in the United States is 34 $\mu\text{R/hr}$. No readings above background were observed by START during the radiation screening.

Mercury Screening

A mercury vapor survey utilizing a Lumex mercury vapor monitoring instrument was completed by START at the Site on October 4, 2021. START surveyed the interior and exterior of each Site building, the Site perimeter, and a general scan of each grid in the remediation area. The Lumex measures mercury vapors in nanograms per cubic meter (ng/m^3). No detectable readings of mercury vapors were observed during the mercury screening.

Asbestos Air Sampling

In addition to the particulate dust monitoring, asbestos air samples were collected at each station during the course of the removal action activities. One Casella Apex2 IS Plus low-volume air sampling pump, operating at a flow rate of approximately 3.0 liters per minute, was deployed at each station. A 25-millimeter (mm)-diameter, 0.8-micrometer (μm) mixed-cellulose ester (MCE) membrane filter cassette was attached to the pump and mounted on a 5-foot-tall tripod stand (co-located with the DRX). Asbestos sampling was conducted during the entirety of the removal activities beginning on September 14 and ending on October 22, 2021. The purpose of the perimeter sampling was to ensure no asbestos fibers were leaving the Site during the removal action.

The flow rate of the air sampling train was measured before and after sample collection by using a Bios DryCal DC-Lite primary flow meter. Sampling was conducted in accordance with the EPA Environmental Response Team (ERT) Standard Operating Procedure No. 2015, “Asbestos Sampling,” as specified in the START site-specific AMSP (Tetra Tech 2021d).

The asbestos air samples were submitted to Eurofins EMLab P&K laboratory (Fort Lauderdale, FL), and were analyzed for asbestos by phase contrast microscopy (PCM) using the National Institute for Occupational Safety and Health (NIOSH) Method 7400, “Asbestos and Other Materials by PCM.”

The total pump run time (in minutes), the average pump flow rate (in liters per minute) and the total volume of air collected for each sample were logged on a field data sheet each day of sampling. A summary of the air sampling data, along with the laboratory validated sample results, is presented in Appendix B, Table 4. The asbestos analytical data reports are included in the START data validation report and are presented in Appendix E.

Per 29 CFR 1910.1001(d)(2)(i), the time-weighted average for the airborne exposure limit for asbestos is 0.1 fibers/cubic centimeter (f/cc) of air over an eight-hour period, or 1.0 f/cc over a 30-minute period. The sample analytical results indicated that asbestos fiber concentrations were not detected above the laboratory reporting limit of 0.002 f/cc at any of the perimeter asbestos air sampling stations during the entirety of removal action activities.

Due to the low concentrations of fibers detected in the samples, and at the direction of the OSC, asbestos air samples were collected, but not submitted for laboratory analysis after October 12, 2021. The samples will be kept on-hold under chain of custody requirements at the local START office until further instruction from EPA is received.

3.4 WASTE DISPOSAL

Asbestos Containing Materials

The loose pieces of transite material and mixed-asbestos containing debris from the Site buildings were segregated and placed into a total of three 30-cubic yard roll-off boxes. The three roll-off boxes were transported by Enviroserve, Inc. to American Landfill in Waynesburg, Ohio, for disposal as friable asbestos on September 14, 17, and 22, 2021. A total of 90 cubic yards of mixed asbestos containing debris were disposed of from the three roll-off boxes.

The miscellaneous debris from the clean-up of the Site buildings, that was not part of the mixed asbestos waste, was placed into four different 30-cubic yard roll-off boxes and transported by Enviroserve, Inc. to American Landfill in Waynesburg, Ohio, for disposal as municipal/construction demolition waste. A total of 96.01 tons of municipal/construction demolition waste were disposed of from the four roll-off boxes. Copies of the manifests for the above waste are presented in Attachment 1.

The excavated soil from the remediation area was transported to and disposed of at American Landfill in Waynesburg, Ohio. A total of 3,348.63 tons of asbestos containing debris and soil were removed from the remediation area during the removal activities. A summary log documenting the total weight of asbestos

containing debris and soil that was removed from the remediation area during this removal action is presented in Appendix B, Table 5. Copies of the soil manifests will be maintained on file at the OSC's office in Westlake, Ohio.

Used Tires

The used tires that were collected from various areas of the Site were loaded onto one maintenance truck and transported to a local tire recycling facility by Lake Township personnel on September 13, 2021. Photographic documentation of the used tires is presented in Appendix C.

Concrete

The concrete that was removed from the greenhouse area on-site was stockpiled along the eastern site boundary for staging. The concrete remained at the Site after EPA demobilization and will be managed by Lake Township Road Department for future use or recycling. Photographic documentation of the concrete stockpile is presented in Appendix C.

Scrap Metal

Scrap metal that was removed and collected from the greenhouse area on-site was stockpiled inside the southern Site building for staging. The scrap metal remained on-site after EPA demobilization and will be managed by the Lake Township Road Department. Photographic documentation of the scrap metal stockpile is presented in Appendix C.

Lab Pack Materials

Several smaller propane-type gas cylinders and miscellaneous maintenance-type chemical containers were collected from the Site and staged inside the southern building for disposal. Included in the chemical containers were two 30-gallon containers of sodium hypochlorite solution, flammable waste liquids, and non-DOT (Department of Transportation), non-RCRA (Resource Conservation and Recovery Act) regulated material (plant food).

Miscellaneous chemical containers located in a wooded area in the northwest portion of the Site were also collected and staged inside the southern building. Due to leaking orphan containers, a small area of stained soil was scraped from the ground surface in the wooded area and disposed of with the asbestos contaminated soil stockpile. On October 15, 2021, the chemical containers were segregated for lab pack disposal and removed from the Site by Clean Earth Specialty Waste Solutions (Akron, Ohio). The lab pack materials

were disposed of at Petrochemical Processing Group (Detroit, Michigan). Photo documentation of the miscellaneous lab pack containers is presented in Appendix C. A copy of the manifest related to the lab pack disposal is presented in Attachment 1.

4.0 SUMMARY OF REMOVAL ACTIVITIES

The following is a summary of the removal action activities completed from September 8 through October 22, 2021 at the Bishopgate Properties Removal Action site:

- Loose and exposed ACM identified inside the site structures, around the area surrounding the footprint of the structures, and exposed surface fragments observed throughout the identified remediation area were collected and removed for disposal.
- The top 6-inches of soil in the remediation area was excavated and removed for proper disposal. A total of 3,348.63 tons of soil contaminated with asbestos debris in the form of transite was removed during the removal action. Site restoration activities were conducted after the remediation area was excavated.
- Miscellaneous orphan chemical containers located throughout the Site buildings and from a wooded area on the northwest portion of the Site were field collected and characterized for proper disposal. Due to leaking orphan containers, a small area of stained soil was also scraped from the surface in the wooded area and disposed of with the asbestos contaminated soil stockpile.
- Perimeter and work zone air monitoring was conducted for all site activities during the duration of the removal. All sustained perimeter and work zone air monitoring measurements were below site-specific action levels.
- Perimeter asbestos air samples were collected during the Site removal activities. Sample results were not detected above the laboratory reporting limit of 0.002 fibers/cc. Per 29 Code of Federal Regulations (CFR) 1910.1001(d)(2)(i), the time-weighted average for the airborne exposure limit for asbestos is 0.1 f/cc of air over an 8-hour period. Therefore, all air sample results remained below regulatory criteria during the entirety of the air sampling activities.
- The time-critical removal action conducted at the site was conducted from September 8 to October 22, 2021. EPA mitigated threats to public health, welfare, and the environment by cleaning up, removing, and properly disposing of uncontrolled hazardous substances that were present at the Site.

5.0 REFERENCES

Pandey Environmental, LLC (Pandey). 2016. "Remedial Action Plan". November.

Stark County Auditor. 2021. Correspondence Requesting U.S. Environmental Protection Agency's (EPA) Assistance with Site Remediation at 12777 Mogadore Road, Uniontown, OH, Stark County Parcel ID 2206217. To Tricia Edwards, EPA. From Alan Harold, Stark County Auditor. January 21

Tetra Tech, Inc (Tetra Tech). 2021a. "Removal Site Assessment Letter Report – Bishopgate Properties Site." June 14.

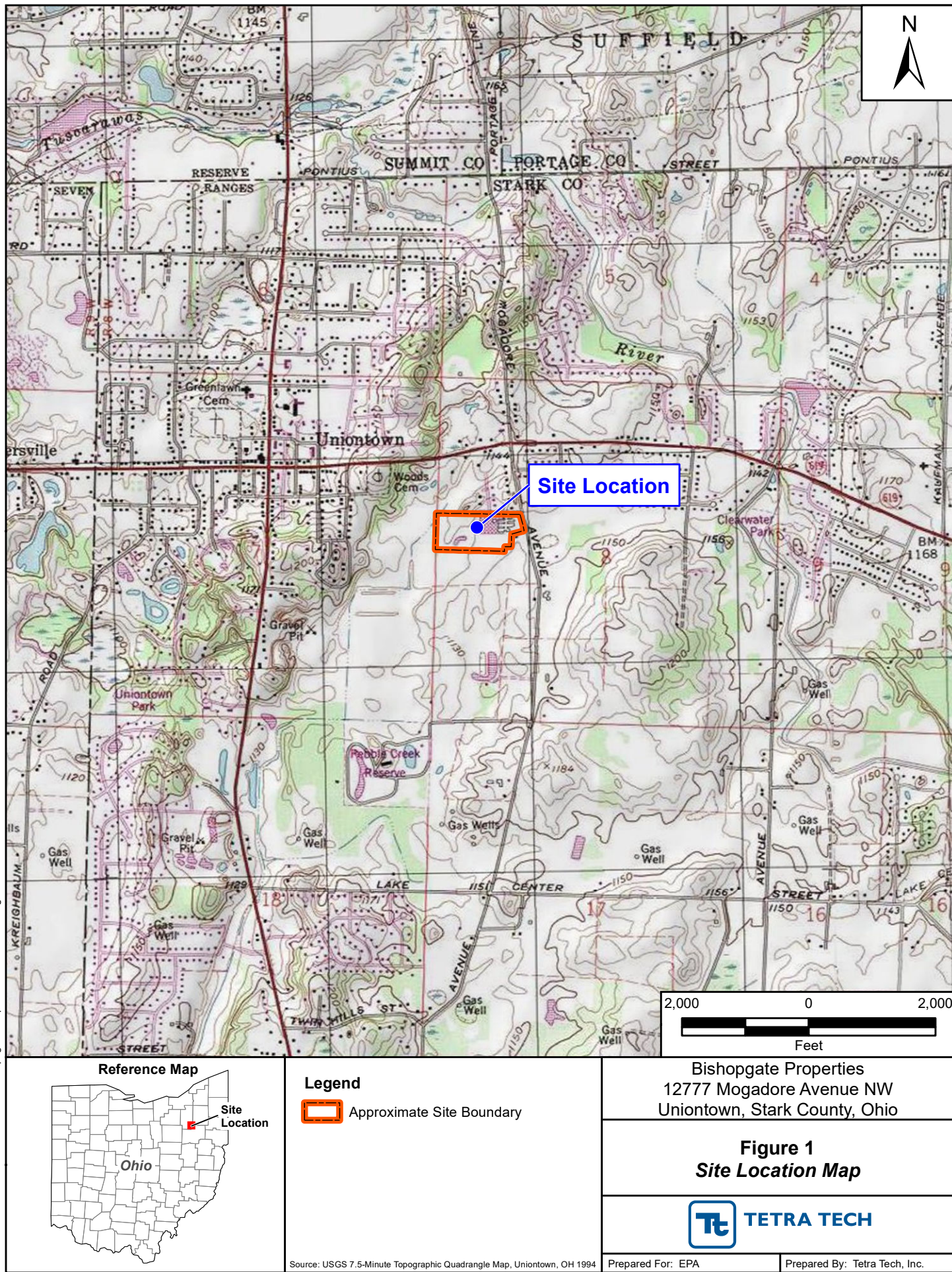
Tetra Tech. 2021b. "Emergency Contingency Plan – Bishopgate Properties Site." September 10.

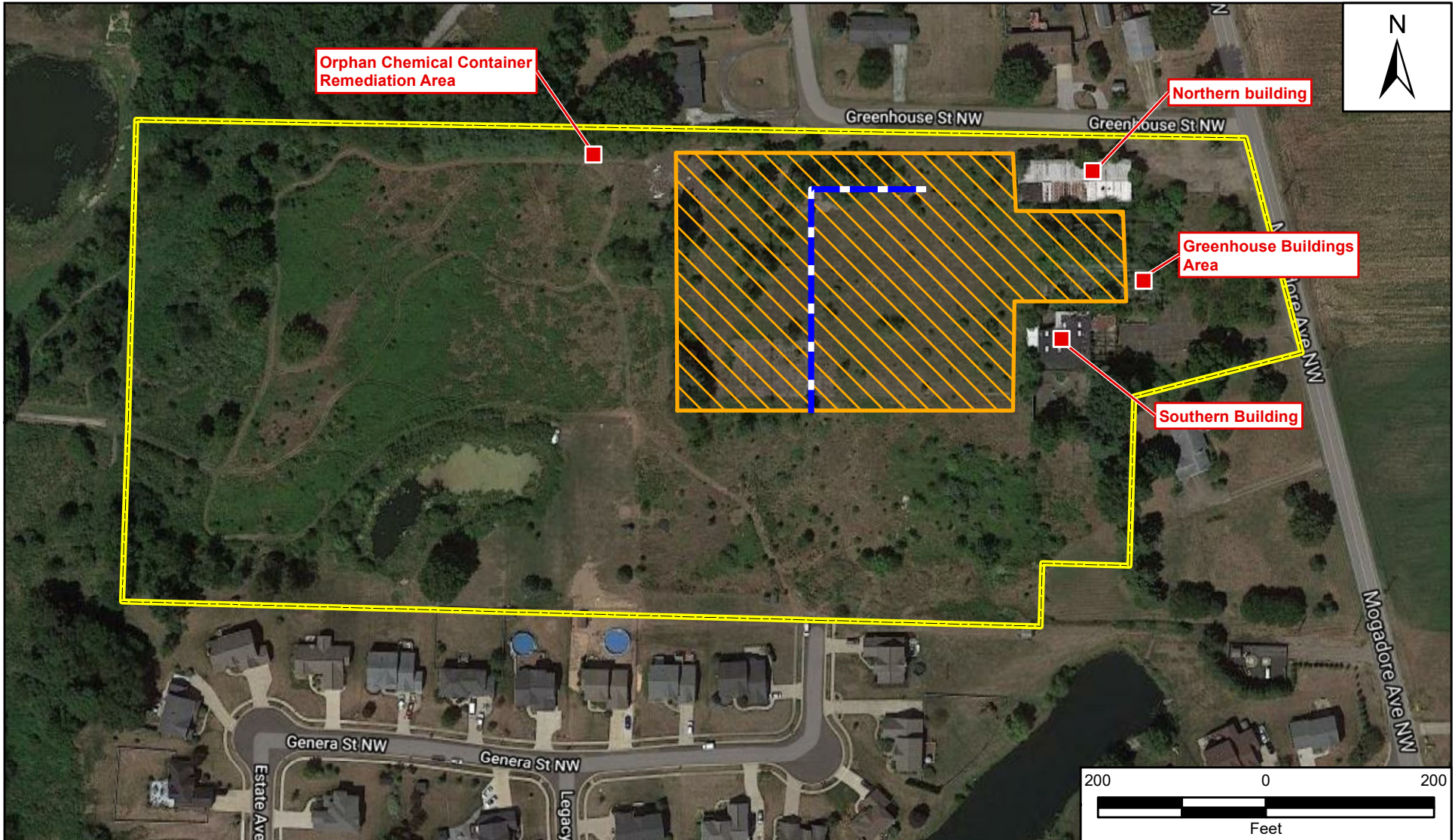
Tetra Tech. 2021c. "Site Health and Safety Plan – Bishopgate Properties Site." September 13.

Tetra Tech. 2021d. "Air Monitoring and Sampling Plan – Bishopgate Properties Site." September 15.

APPENDIX A
SITE FIGURES

File Path: G:\G9031-START V\Ohio\Bishopgate Properties\mxd\2021-09\Fig1-SiteLocation.mxd





Legend

- Approximate Site Boundary
- Remediation Excavation Area
- 12" Transite Pipe Removed

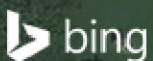
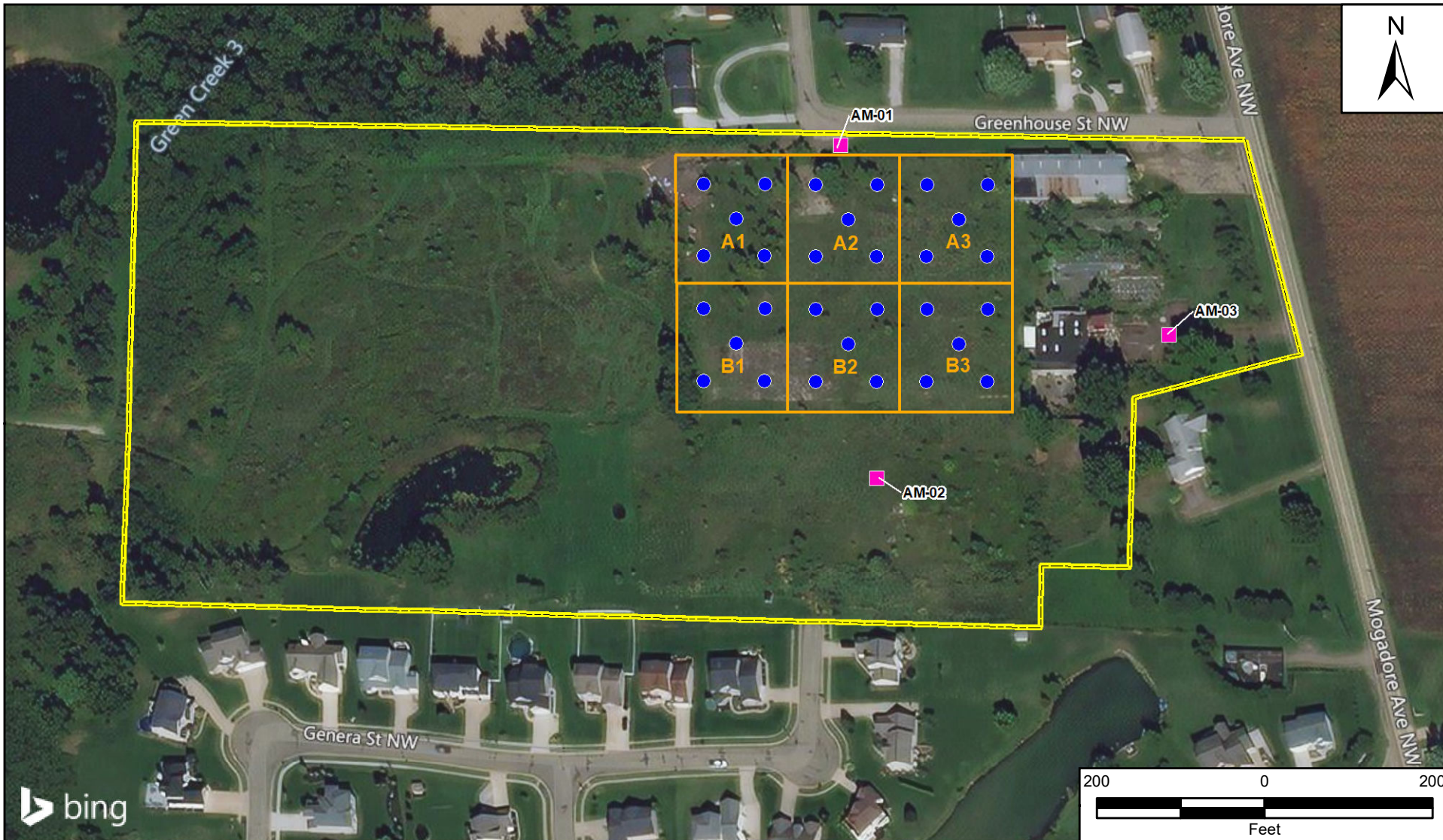
Bishopgate Properties
12777 Mogadore Avenue NW
Uniontown, Stark County, Ohio

Figure 2
Remediation Area Map



Prepared For: EPA

Prepared By: Tetra Tech, Inc.



Legend

- Air Monitoring Location
- Confirmation Soil Sampling Location
- Approximate Sampling Grid
- Approximate Site Boundary

AM-01 = Air Monitoring/Sampling Location 01

Bishopgate Properties
12777 Mogadore Avenue NW
Uniontown, Stark County, Ohio

Figure 3 Air Monitoring and Soil Sampling Locations



TETRA TECH

Prepared For: EPA

Prepared By: Tetra Tech, Inc.

APPENDIX B
TABLES

TABLE 4
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF ANALYTICAL RESULTS FOR PERIMETER AIR SAMPLES

Sample Identification	Date Collected	Location	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (LPM)			Total Sample Volume (L)	Validated Result - Fiber Concentration (f/cc)
							Initial	Final	Average		
AM-01-091421	9/14/2021	AM-01	1	8:21	15:56	455	3.01	2.91	2.96	1346.8	0.002 U
AM-02-091421	9/14/2021	AM-02	2	8:27	16:08	461	3.01	2.81	2.91	1341.5	0.002 U
AM-01-091621	9/16/2021	AM-01	1	8:22	16:41	499	3.01	2.95	2.98	1487.0	0.002 U
AM-02-091621	9/16/2021	AM-02	2	8:30	16:49	499	3.01	2.93	2.97	1482.0	0.002 U
AM-03-091621	9/16/2021	AM-03	3	9:39	16:58	439	3.02	2.88	2.95	1295.1	0.002 U
AM-01-091721	9/17/2021	AM-01	1	8:19	16:26	487	3	2.92	2.96	1441.5	0.002 U
AM-02-091721	9/17/2021	AM-02	2	8:26	16:38	492	3.01	2.84	2.925	1439.1	0.002 U
AM-03-091721	9/17/2021	AM-03	3	8:30	16:46	496	3.01	2.83	2.92	1448.3	0.002 U
AM-01-092021	9/20/2021	AM-01	1	8:22	16:32	490	2.99	2.82	2.905	1423.5	0.002 U
AM-02-092021	9/20/2021	AM-02	2	8:29	16:40	491	3	2.81	2.905	1426.4	0.002 U
AM-03-092021	9/20/2021	AM-03	3	8:40	16:48	488	3.01	2.8	2.905	1417.6	0.002 U
AM-01-092321	9/23/2021	AM-01	1	8:50	16:12	442	3.13	3.20	3.17	1398.9	0.002 U
AM-02-092321	9/23/2021	AM-02	2	8:58	16:14	436	3.01	3.05	3.03	1321.1	0.002 U
AM-03-092321	9/23/2021	AM-03	3	9:05	16:13	428	2.93	3.05	2.99	1279.7	0.002 U
AM-01-092421	9/24/2021	AM-01	1	8:55	15:53	418	3.02	2.97	3.00	1251.9	0.002 U
AM-02-092421	9/24/2021	AM-02	2	8:56	15:58	422	3.12	3.00	3.06	1291.3	0.002 U
AM-03-092421	9/24/2021	AM-03	3	8:57	16:03	426	2.99	2.74	2.87	1220.5	0.002 U
AM-01-092821	9/28/2021	AM-01	1	8:21	16:23	482	3	2.9	2.95	1421.9	0.002 U
AM-02-092821	9/28/2021	AM-02	2	8:29	16:30	481	3.01	2.88	2.945	1416.5	0.002 U
AM-03-092821	9/28/2021	AM-03	3	8:33	16:35	482	3.01	2.91	2.96	1426.7	0.002 U
AM-01-092921	9/29/2021	AM-01	1	8:23	16:33	490	3.01	2.97	2.99	1465.1	0.002 U
AM-02-092921	9/29/2021	AM-02	2	8:30	16:41	491	3.01	2.99	3	1473.0	0.002 U
AM-03-092921	9/29/2021	AM-03	3	8:38	16:48	490	3	2.99	2.995	1467.6	0.002 U
AM-01-093021	9/30/2021	AM-01	1	7:23	16:31	548	3	2.99	2.995	1641.3	0.002 U
AM-02-093021	9/30/2021	AM-02	2	7:28	16:40	552	3.01	2.99	3	1656.0	0.002 U
AM-03-093021	9/30/2021	AM-03	3	7:35	16:49	554	3.01	3	3.005	1664.8	0.002 U
AM-01-100421	10/4/2021	AM-01	1	8:30	16:33	483	3.089	2.97	3.0295	1463.2	0.002 U
AM-02-100421	10/4/2021	AM-02	2	8:46	16:41	475	2.98	2.99	2.985	1417.9	0.002 U
AM-03-100421	10/4/2021	AM-03	3	8:59	16:48	469	2.98	2.99	2.985	1400.0	0.002 U
AM-01-100521	10/5/2021	AM-01	1	8:06	16:30	504	3.12	2.96	3.04	1532.2	0.002 U
AM-02-100521	10/5/2021	AM-02	2	8:11	16:37	506	3.01	2.98	2.995	1515.5	0.002 U
AM-03-100521	10/5/2021	AM-03	3	8:14	16:45	511	2.97	2.97	2.97	1517.7	0.002 U
AM-01-100621	10/6/2021	AM-01	1	8:16	17:10	534	2.99	2.92	2.96	1577.97	0.002 U
AM-02-100621	10/6/2021	AM-02	2	8:21	17:22	541	2.87	2.73	2.80	1514.80	0.002 U
AM-03-100621	10/6/2021	AM-03	3	8:06	17:06	540	2.97	2.82	2.90	1563.30	0.002 U
AM-01-100721	10/7/2021	AM-01	1	7:36	16:23	527	2.99	2.88	2.94	1546.75	0.002 U
AM-02-100721	10/7/2021	AM-02	2	7:45	16:39	534	2.98	2.87	2.93	1561.95	0.002 U
AM-03-100721	10/7/2021	AM-03	3	7:56	16:46	530	2.98	2.85	2.92	1544.95	0.002 U
AM-01-100821	10/8/2021	AM-01	1	7:23	16:11	534	2.99	2.92	2.955	1578.0	0.002 U
AM-02-100821	10/8/2021	AM-02	2	7:29	16:22	541	2.98	2.76	2.87	1552.7	0.002 U
AM-03-100821	10/8/2021	AM-03	3	7:38	16:36	537	3.01	2.85	2.93	1573.4	0.002 U
AM-01-101221	10/12/2021	AM-01	1	7:36	15:49	534	3.01	2.95	2.98	1591.3	0.002 U
AM-02-101221	10/12/2021	AM-02	2	7:45	15:54	541	2.99	2.899	2.9445	1593.0	0.002 U
AM-03-101221	10/12/2021	AM-03	3	7:56	15:43	537	3.01	2.94	2.975	1597.6	0.002 U

Notes:

AM-01 = Air Monitoring Station 01
f/cc = Fibers per cubic centimeter
L = Liters

LPM = Liters per Minute
Min = Minutes
ND = Not detected above the laboratory reporting limit of 0.002 f/cc
U = The analyte was not detected at or above the associated laboratory reporting limit

**TABLE 5
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF WASTE DISPOSAL TRACKING**

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
9/14/2021	091421-1	Municipal/Construction Demo Waste	American Landfill	Enviroserve	ROB229	22.16
9/14/2021	091421-2	Municipal/Construction Demo Waste	American Landfill	Enviroserve	ROB124	23.18
9/14/2021	091521-3	Municipal/Construction Demo Waste	American Landfill	Enviroserve	ROB229	26.22
9/15/2021	091521-4	Municipal/Construction Demo Waste	American Landfill	Enviroserve	Not Listed	24.45
		Municipal/Construction Demo Waste			TOTAL	96.01 TON
9/14/2021	511903OH (WMNA 001)	Asbestos - Friable	American Landfill	Enviroserve	Not Listed	30 cubic yards
9/17/2021	511903OH (WMNA 002)	Asbestos - Friable	American Landfill	Enviroserve	Not Listed	30 cubic yards
9/22/2021	511903OH (WMNA 003)	Asbestos - Friable	American Landfill	Enviroserve	Not Listed	30 cubic yards
		Asbestos Friable			TOTAL	90 cubic yards
10/1/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	24.65
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	25.66
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	88	17.22
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	69	19.52
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	18.86
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	16.77
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	88	17.15
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	69	15.27
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	16.37
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	22.52
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	18.54
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	1	18.92
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	88	22.26
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	69	21.07
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	17.88
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	20.71
9/30/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	23.18
9/30/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	22.16
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	19.86
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	27.11
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	19.52
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.85
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.08
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	17.48
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.41
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.24
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	16.94
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	18.55
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	0	18.16
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	20.08
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.56
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	0	22.41
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	23.46
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.81
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.88
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	23.4
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	25
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	0	20.07

**TABLE 5
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF WASTE DISPOSAL TRACKING**

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.28
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	23.36
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	38.48
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	20.07
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	23.38
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	23.02
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.6
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.84
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	24.53
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	20	21.69
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.86
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.71
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	20.55
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	20	22.89
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	23.11
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.79
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.81
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	20	20.33
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.45
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.98
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	21.9
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	23.6
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	24.01
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	27.18
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	22.57
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	26.02
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	16.7
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.68
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.18
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	21.81
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	16.98
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.67
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.92
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.03
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	19.96
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	24.25
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.71
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.8
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.97
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	19.98
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.2
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	16.71
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.72
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	19.34
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.18
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	16.53
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.27
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	20.16
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.62
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.02
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.29
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.14
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.48
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.05
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.84

**TABLE 5
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SUMMARY OF WASTE DISPOSAL TRACKING**

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.58
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.9
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	14.67
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	20.39
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	19.66
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.06
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	13.21
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.01
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	18.3
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.2
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.92
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.09
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.35
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.97
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.31
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	23.76
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.83
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	25.2
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	25.81
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.95
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	24.61
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.72
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.36
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.97
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.69
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	21.22
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.05
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.13
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.54
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.1
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	18.85
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	19.51
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.45
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.42
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.91
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.18
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.68
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.75
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.01
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.28
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	21.51
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	19.99
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.58
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	20.2
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.22
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	23.85
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.88
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	23.3
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	16.33
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	16.18
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	19.46
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	16.03
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	17.7
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	1	32.84
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	CX-01	28.24
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	19.8

TABLE 5
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SUMMARY OF WASTE DISPOSAL TRACKING



Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	10	18.24
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	11	23.18
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	9	22.73
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	1	23.69
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	CX 01	23.15
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	11	21.77
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	9	20.72
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	ch 01	26.8
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	CX01	22.86
		Asbestos - Friable (Soil)			TOTAL	3348.63
10/14/2021	16207934 FLE	Sodium Waste Hypochlorite Solution	Petro Chemical Processing Group	Clean Earth Specialty Waste Solutions	Not Listed	182 pounds
10/14/2021	16207934 FLE	Flammable Liquids	Petro Chemical Processing Group	Clean Earth Specialty Waste Solutions	Not Listed	205 pounds
10/14/2021	16207934 FLE	Non-DOT/Non-RCRA	Petro Chemical Processing Group	Clean Earth Specialty Waste Solutions	Not Listed	5 pounds
		Non-DOT/Non-RCRA			TOTAL	392 Pounds
Notes:						
DOT - Department of Transportation						
ID - Identification						
RCRA - Resource Conservation and Recovery Act						

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION LOG

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio



Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 1</p> <p>Description: Looking north at western portion of remediation area (pre-excavation).</p> <p>Orientation: West</p> <p>Date: 09/13/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 2</p> <p>Description: Looking southwest at southern portion of remediation area (pre-excavation)</p> <p>Orientation: Southwest</p> <p>Date: 09/13/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio



Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 3</p> <p>Description: Interior of northern building with mixed asbestos containing material (ACM) debris.</p> <p>Orientation: Southwest</p> <p>Date: 09/14/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 4</p> <p>Description: Northern building after mixed asbestos debris clean up.</p> <p>Orientation: Southwest</p> <p>Date: 10/22/21</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio

Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 5</p> <p>Description: Example of mixed ACM debris observed in the northern building.</p> <p>Orientation: South</p> <p>Date: 09/13/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 6</p> <p>Description: Mixed asbestos debris (from photo No. 5) cleaned up in northern building.</p> <p>Orientation: North</p> <p>Date: 10/22/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio



Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 7</p> <p>Description: Removing orphan used tires from the Site for recycling.</p> <p>Orientation: North</p> <p>Date: 9/14/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 8</p> <p>Description: Miscellaneous chemical containers recovered from a wooded area and from the onsite buildings.</p> <p>Orientation: North</p> <p>Date: 09/16/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio



Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 9</p> <p>Description: Excavating stained soil from where chemical containers were removed in northwest portion of the Site.</p> <p>Orientation: North</p> <p>Date: 10/5/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 10</p> <p>Description: Chemical container and stained soil area cleaned up in the northwest portion of the Site.</p> <p>Orientation: West</p> <p>Date: 10/5//2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio



Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 11</p> <p>Description: Miscellaneous chemicals being lab-packed for disposal by Clean Earth, Inc.</p> <p>Orientation: East</p> <p>Date: 10/14/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 12</p> <p>Description: Air monitoring station number AM-03 located near the southeast portion of the Site.</p> <p>Orientation: Southeast</p> <p>Date: 9/11/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio



Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 13</p> <p>Description: Air monitoring station number AM-01 located along the northern Site perimeter.</p> <p>Orientation: West</p> <p>Date: 9/13/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 14</p> <p>Description: Example of one of 16 test pits excavated along the Site perimeter to check for loose transite outside of remediation area</p> <p>Orientation: South</p> <p>Date: 10/7/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio

Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 15</p> <p>Description: 12-inch diameter transite pipe along western portion of Site that was exposed and removed for disposal during excavation.</p> <p>Orientation: West</p> <p>Date: 10/8/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 16</p> <p>Description: 12-inch diameter transite pipe along northern portion of Site.</p> <p>Orientation: East</p> <p>Date: 10/8/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio

Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 17</p> <p>Description: View of a trench inside the southern building that was cleaned out during remediation process</p> <p>Orientation: South</p> <p>Date: 10/8/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 18</p> <p>Description: ERRS crew wetting down the asbestos debris pile during truck load out.</p> <p>Orientation: East</p> <p>Date: 10/14/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio

Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 19</p> <p>Description: View of asbestos debris pile that is covered with visqueen at the end of each day.</p> <p>Orientation: Northwest</p> <p>Date: 10/19/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 20</p> <p>Description: Example of truck lining process prior to being loaded from the asbestos debris pile</p> <p>Orientation: North</p> <p>Date: 10/14/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio


Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 21</p> <p>Description: Truck being loaded from asbestos debris pile.</p> <p>Orientation: South</p> <p>Date: 10/14/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 22</p> <p>Description: Eastern view of Site post-remediation.</p> <p>Orientation: East</p> <p>Date: 10/14/2021</p> <p>Photographer: Don Newton</p>	

PHOTOGRAPHIC LOG

Client: U.S. Environmental Protection Agency
Site Name: Bishopgate Properties Site - RV
Location: Uniontown, Stark County, Ohio

Prepared by: Don Newton
TO-TOLIN Number: F0032-0001CH108

<p>Photo: 23</p> <p>Description: View remediated and seeded area on eastern portion of Site. The visible concrete piles will be recycled by Lake Township.</p> <p>Orientation: South</p> <p>Date: 10/22/2021</p> <p>Photographer: Don Newton</p>	
<p>Photo: 24</p> <p>Description: Southern portion of Site being seeded post-excavation.</p> <p>Orientation: West</p> <p>Date: 10/18/2021</p> <p>Photographer: Don Newton</p>	

APPENDIX D
START FIELD LOGBOOK

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SINCE 1916



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BISHOPGATE RV 9/21



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Logbook Tracking Number _____
 Site Name Blindman TP RV
 Latitude 3.18N
 Date Issued 7/13/11
 CO-701LN # 123X903160320681CH108

[illegible]

PAGE	REFERENCE	DATE
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DATE	Aug.	MAX	MIN	PRK	CT
9/13/21	0.048	.132			
9/14/21	0.017	.124			
9/15/21	0.029	.141			
9/17/21	0.019	.152			
9/20/21	0.018	.171			
9/21/21	0.023	.186			
9/22/21	0.000	0.00			
9/23/21	0.006	.252			
9/24/21	0.024	0.841			
9/27/21	0.153	(4.58)			
9/28/21	0.006	.249			
9/29/21	0.062	2.79			
10/04/21	0.004	1.73			
9/30/21	0.046	0.725			
10/5/21	.0051	2.19			
10/6/21	.0823	.145			
10/7/21	0.009	.178			
10/8/21	0.021	.209			
10/12/21	0.042	.948			
10/13/21	0.017	.168			
10/14/21	0.023	0.913			
10/15/21	.051	.121			
10/18/21	0.079	.168			
10/19/21	0.088	.193			
10/20/21	0.009	.122			
10/21/21	0.016	.179			
10/22/21	0.014	.123			

9/13/21 Bishopgate Rd Monday

weather: overcast 80's, wind 9 mph
 504' crew propping site for ACM
 removal in site soils

0915 START Newton arrive on site
 Meet ERS crew. conduct
 site walk. ERS is loading
 wood forms into a lake tarp truck
 for recharging. ERS is picking
 the asbestos debris out of the
 pile inside Bldg #1 and carrying
 it to a pile located behind Bldg.

1035 ERS PM collected a composite
 sample of soil from remediation
 area for Tripod probe purposes

1138 START set up AER on east
 side of site + western boundary
 along (3370 boundary)

1154 set up east side of bldg.
 + work area adjacent to 2005
 Greenhouse Dr. (3570 boundary)

1403 Air checks = All OK with DEXs.
 Crew continues to pick apart
 debris pile in Bldg #1 on W. side

1503 Air check - all DEXs OK
 → Traffic cones are set up on

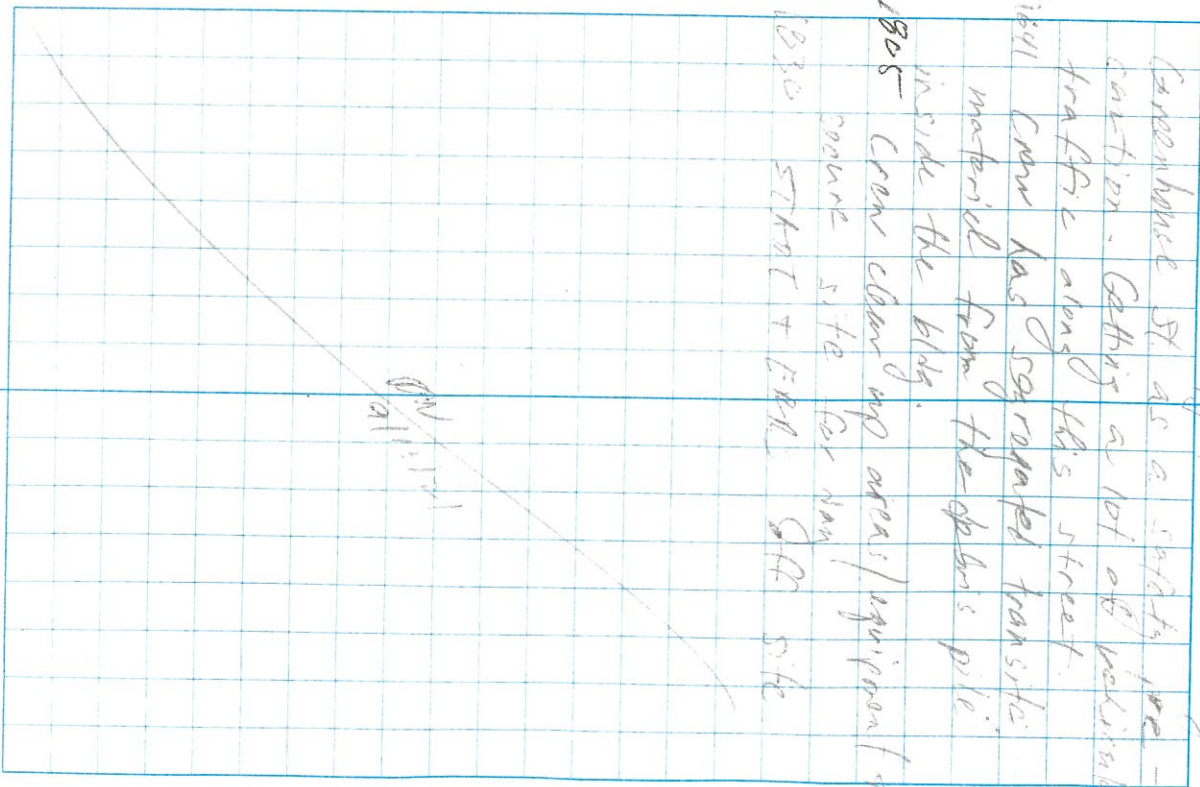
9/13/21 Bishopgate Rd Monday

Greenhouse St. as a safety pre-
 caution. Getting a lot of vehicular
 traffic along this street.

1144 Crew has separated transite
 material from the debris pile
 inside the bldg.

1305 Crew clearing up areas/equipment
 source site for new

1330 START + ERS off site



9/14/12

Bishopgate Rd Tuesday

*

EPA wants to send samples in

Monday during first part of exca.

1355

EPA RD - look up new b area

prop adjacent to micro site

1425

EPA - stop at site

*

No monitoring on

9/14/12 due to rain +

street was off site for

training. EPA confirmed

dust readings end of day

with mobile DEX.

Avg. =

Max =

9/16/12

Bishopgate Rd

Thursday

Impact: Fog 5:05, East 5:15

5:30s street view for on stn. Soft

Mta. continue digging in excavation

area + prop areas near bldg. for

transite removal from bldgs.

0830 Set up Air monitoring station

Am-1 + Am-2 in design area

Location of site perimeter.

0831 Position South of site (compliance

to street re: overall issue +

property 3:30 reworking site.

Street closure from 4:30

0830 10 minutes 'note' transite line

bldg. area and place into pile

RB # EOP124 - check in at trailer

0941 Set up Am-3 in Eastern perimeter

+ adjacent to road but a bit corner

1024 EPA's surrounding @ NW corner of

Remediation Area - taking top b

of material below grade + any

visible trans. to observed in area.

1202 Look @ cleared area where

fruit turn around is going @ SE

corner - street will close +

5 - pt. confirmation sample

Re: 10

2/16/21

Bishopgate Rd

Thursday

Containers collected from Bldg #1:

- 11 - 5 gal
- 2 - 25 gal Hydrochloric soln.
- 25 aerosol cans
- 25 1-gal paint cans
- 50 misc. small containers

↑ (listed, not labeled, cleaning supplies, etc.)

Currently staged a west side of Bldg) from this area prior to conducting the toxic environmental ERS is hard digging a lot of transverse remains through this area that is visible on surface to 4' deep.

⇒ Total of 180's taken off site:

- Solid Waste: 1111
- ACM: 1

1405 City of Contra Costa Health Dept (Duke) Air Pollution Control Tech

on site to see site operations. 1411 START inspected truck turn area - looks good. START collected 5-point composite sample from this area & SE corner of site.

2/16/21

Bishopgate Rd

Thursday

#180 - T T A - 021621 (15-26)

- (Truck Turn Around Area) Air station check = all OK
- Crew prepping path to open house buildings that will be worked on thru next week.
- Update + revise poll rep per asf.

1635 Collect air samples + process for lab shipment

- All Air samples will go to Ft. Lauderdale, FL
- All Soil samples will go to South San Francisco, CA (as crew clean up work areas + secure site)

1930 Crew off site for dm. START drop samples & FedEx.

DN
2/16/21

9/17/21 Bishopgate Rd Friday

weather: sun 65°, E wind ~~strong~~
0800 STREET MONITOR on site. ~~PM~~

5000 ft. PM old site for this home, for work physical.

Crane is clearing out 14th. #2 and clearing asphalt for the basement clearing. ACM (this is being placed in the soil) stockpile.

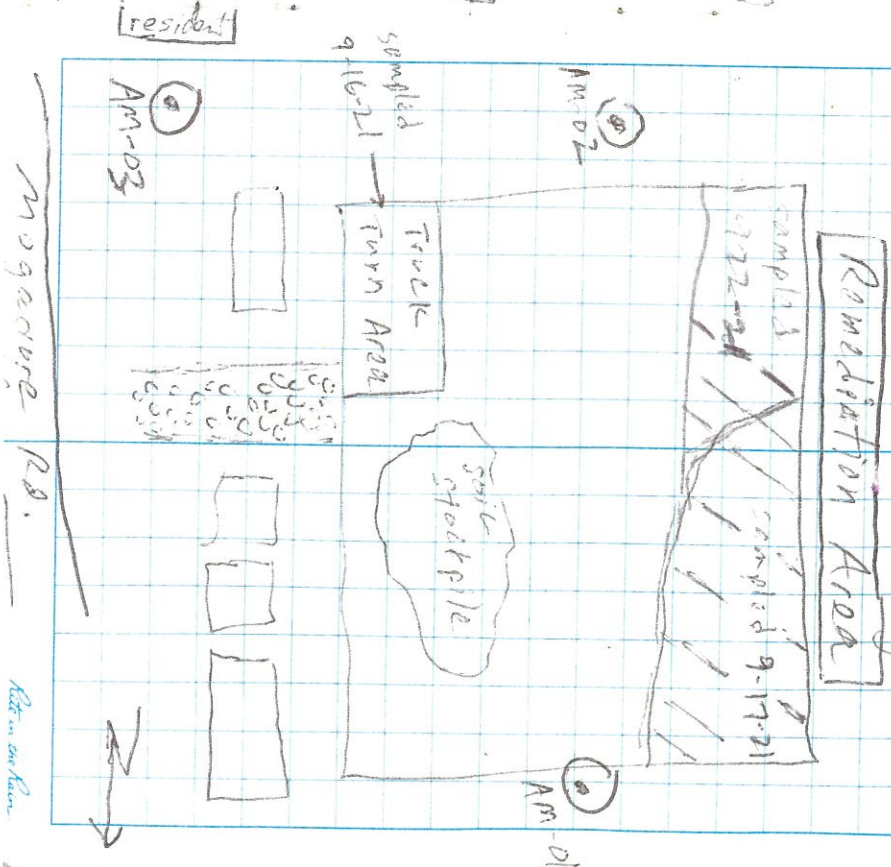
0820 START sets up air monitoring stations & samples @ adjacent locations (SE corner near single resident, south perimeter boundary, and northern excavation boundary, across from residential area).

0845 waste mgmt on site to collect ACM roll off box for transport to land fill.

1011 TRPS received 2 loads of H4 crushed limestone for truck turnaround area of firm Shelly Materials)
• START inspected the turnaround area by walking the grid in 10' wide passes, both directions, then cross checked A couple of small

9/17/21 Bishopgate Rd Friday 11

sliders of transite were found & placed into the ACM debris pile.
1142 STREET inspect 1st cleared area along NW corner of remediated area. No transite observed on surface after visual inspection completed by START.



7/11/11

Bishopgate RV Friday

1248 Air station clock = all ok

1326 Insect ~~TTA~~ & Area A1

for loose transit pieces.

1507 Collect 5-pt. composite sample

from Area A1 # BP. A1-091721

- Confine inspection surface
area A1 for "loose" transit.- Will finish a couple loose
pieces of transits. EPRswill no "lost finding" in the area
above the loose pieces are more

concrete, just below the surface.

1650 EPRs still clearing abandoned

area & prepare final area.

1810 crew cleaned up area &

spout site for the weekend

1830 All parties off site for day.

Start submit ~~new~~ samples

to put in boxes for Monday

delivery.

BN
9/17/11

9/20/11

Bishopgate RV Monday

Weather: 70s temp. So rough wind
also start rain on site. 3:1

at monitoring & then air samples

& disrupted area (Am-01, Am-02,

Am-03)

• EPRs is clearing greenhouse area
of vegetation & concrete that

is blocking access. EPRs also

preparing track landing area.

1850 EPRs begin decommissioning Area

B1 - removing for bulk material.

Start is inspecting all excavated

areas for loose transits prior.

Areas with observed transits are

excavated deeper or transits are removed

hand picked out by start and placed

into Arm debris pile for disposal.

1100 Air station clock = OK

1336 All activities same as this am

1412 Air station clock. Excavation

going deeper in some areas due to

transit pieces being found.

1645 Start collect Arm air samples

& shut down air monitoring for day

1830 All parties off site

Return on RV

9/21/21

Bishopate Rd

Tuesday

Weather: rain 6-8's, South 10-20 mph

0800

START Monitor on site. Safety

Met.

Continue greenhouse work

difficult

Sagging concrete

transit

panels & steel/metal.

Sagging

structure's

0909

EPPS is clearing up Area B1

to

excavation and then moving

to

the area south of perimeter to

clear up the southern horizon

• START

is air monitoring with a

mobile

DEX only today due to

the

rain & visually impacting

the

excavation areas for AEM.

No

AEM samples collected today.

• EPPS

is transporting soil sample

from

excavation area to the soil

storage

area by the buildings.

1429

Rain continues with intermittent dry

periods.

EPPS continues to dismantle

greenhouses

and is separating metal

steel,

concrete & transiting

cutting

steel piping w/ power saw.

1830

Pipes off site for day.

PM

9/21/21

9/22/21

Bishopate Rd

Wednesday

Weather: Rain 6-8's, SE 10 mph

0800

START Monitor on site. H&M

Crew

will continue greenhouse work.

clean

up. No excavating today due

to

rain/wet conditions.

0840

START monitoring with mobile

DEX

only. No AEM air sampling

today

(due to precipitation).

• EPPS

received 2 man lifts today

to

use during truck loading operations.

1400

START inspected precipitation

Area

B1 for transite. Area

looked

good. No visible

transite

observed. START

collected

5-pt. confirmation

sample

for clearance @ "B1".

#BP-B1-092221.

Will submit

sample

next week with not area

to

be cleared.

1530

Heavy rains continue

1700

EPPS crew off site for day

1735

START finish Polldo.

off

site for day.

PM

9-22-21

Katie on site

7/23/21

Bishopgate Rd

Thursday

Woolfhor: clearing site, SW 15 mph
0800 START J. J. J. + Williams on site

EPDs Safety Mtg. Conference

Excavation along WETTER

EDGE OF A-2/B-2 ——— WNW

0900 - OSC KACHA ON SITE ——— WNW

Excavate - STREET DEPLOYED DTs & PUMPS @

- 0700 ——— WNW

0930 - EPDs WKS CONTINUED TO DECONSTRUCT GUTTERWAYS; CUT ASPHALT METAL & FILL

BRIDGE CONCRETE. EXCAVATION CONTINUES

ON A-2 & B-2. STREET INVESTIGATES

EXCAVATED AREAS FOR VISIBLE TRANSITE.

1010 - LANDSCAPE ON SITE TO DISCUSS OPTIONS FOR

TOPSOIL & SEED. OSC HAS TO WEIGH COSTS.

1700 - STREET COUNCILS PUMPS & DTs. ALSO

CONSTRUCTED EPDs RESOURCES PUMPS. RECORD

FLOW RATES & CALCULATED VOLUMES. REPIRATED

COCs & BRIDGE FOR SHIPMENT TOMORROW.

EPDs HAS EXCAVATED B-2 & MOST OF A-2,

AS WELL AS DECONSTRUCT GUTTERWAYS. ——— WNW

1300 - STREET OFF SITE ——— WNW

NNN

9/23/21

FRIDAY

Bishopgates Rd

7/24/21

WESTSIDE: 55-71 M.S. // WIND: WSW 10-14 MPH

0800 - STREET WORKERS ON SITE. EPDs TRAVELING

SAFETY MEETING TOPIC: DRIVING SAFETY. START

TODAY: CONTINUE DISMANTLING GUTTERWAYS.

0830 - OSC KACHA ON SITE. ——— WNW

0900 - STREET DEPLOYED DTs & PUMPS @ FIXED

LOCATIONS. EPDs HAS BEGUN WORK ON

GUTTERWAYS. ——— WNW

0930 - TOLLS AROUND & DASH CONCRETE (w/ LATE

TOWNSHIP) ON SITE TO DISCUSS KNOCKING DOWN

THE EXISTING STRUCTURE ——— WNW

0940 - WRECKING CONTRACTOR ON SITE TO

DISCUSS EXISTING STRUCTURE ——— WNW

& DRAINAGE - OSC LEARNED THAT WKE COUNTRY

TRUCK USED TIERS TO: CANTON RECYCLING

1130 - FLATBED TRUCK ARRIVES ON SITE TO HAVE

OUT REM FOU-OFF BOX ——— WNW

1215 - FOU-OFF BOX DEPARTS ——— WNW

1600 - STREET COUNCILS PERIMETER PUMPS &

POST. CHD. OSC KACHA DEPARTS ——— WNW

1615 - EPDs DISCOVERED 12" TRANSITE PIPE,

IN-4 ROUND, RUNNING E-W ALONG NORTHERN

EDGE OF A-2/A-3. ROUND 15ft. WNW

DISCUSSES w/ OSC ON MONDAY ——— WNW

1700 - STREET DEPARTS FOR FIDEX ——— WNW

7/27/21 Bishopgate RU Monday

- No START on site today
- No air monitoring or sampling conducted today. OSC walked around site & conducted spot checks with mobile DEX.
- No elevated readings today.
- EPRS RM is not on site today. Crew is only sag-regating the green house structures & materials. No excavation today.

~~7/27/21~~

7/28/21 Bishopgate RU Tuesday 19

Weather: Sun 70's NW 15 mph	
0800 START Monitor on site. To be 1.	
Mtg. Sharp objects, slips, trips (S&T).	
- EPRS continue dismantling green houses & segregating materials.	
0819 START set up 2 DEX + 1 mobile DEX. Set up 3 air sampling stations for asbestos and radon.	
primofor AM-01, AM-02, AM-03.	
No elevated readings of dust particulate yet. EPRS continue green house work.	
1003 START inspecting newly excavated areas in B-2 + A-2 areas.	
Still finding small pieces of transite on surface in some areas.	
1210 Crews continue some activities segregating greenhouse materials & debris. Steel / no full support.	
1210. Green continue separating materials for transite.	
1330 START stop air sampling, segregate and remove materials. Add 1st.	
1315 All crews off site for day. START to read EX.	

Rest on site

21/01/01

Ashcroft Rd Wetherston

Weather: Sun this M.F. Sunny
0800 Start work on site. Safety

Mtg. Continue greenhouse disband activities, cutting steel posts. Scaffolding concrete to removing loose transite from the area.

0830 Start set up air monitoring equipment to 3 air samples for Asbestos a site perimeter.

Site monitoring dust. Deal with rubble (RX) in and around work zone. All loads are below site Action level. of 2.5 mg/m³.

0930 TMAI inspect area to + 1.5 (vertical excavations) for transite in the surface.

1019 Air station check = all OK
⇒ Reporter from local paper on site to interview OSC

1140 STMAI inspect west & north side tree areas for transite

⇒ FMRs brought back of fence
limbs to site today & they
lumber to freehold loading operations.
1353 for monitoring check

Ashcroft Rd Wetherston

(including mobile site) all levels not
0.05 mg/m³ and below.

1730 Large ACM debris pile for load-out. Same activities continue

STMAI process ACM samples for lab. FMRs finish prep work

1815 ACM particles in site

12/01/01

22/9/20/21		Bishopgate RV	Thursday
0600hr	Start	50's	11-5-10 mph
0700	START Meter on site	5.60ft	
0715	Mtn. truck loading	50ft	
	of a-biotics to bin	11.5	
0750	first truck on site		
0725	START set up air monitoring stations + 3 ACM samples		
0815	2nd truck on site. we are scheduled to get 3 trucks in		
	it is in 3 in - at to landfill		
0855	and back if not issues		
	both trucks loaded and off-site to land fill.		
0920	late Township water Dept. on site to fill water tank for site dust control		
0930	EDA ERS + START linked		
	areas of fences and noise walls		
	to dig a site perimeter + discuss of filling a small water tank		
	water tanks + grass for better ventilation of surface transit		
1115	3rd truck on site		
1120	4th truck on site		

9/10/21		Bishopgate RV	Thursday
1230	Trucks off site for 2nd round trip to the landfill		
	late Township personnel on site		
1415	5th truck on site for loading		
1430	6th truck offsite for loading		
	ERS loaded a load blower to blow leaves off roadaction area + help impact for transition		
1445	5th truck offsite loaded		
1500	6th truck offsite loaded		
	from 4000 sq ft area - trees to help identify hard to see areas. Crew		
	and out. (Total Trucks = 6)		
1540	START air monitoring check		
1635	ERS notified START that there is no work & site try to close to no trucks were available for loading		
1715	START pack up equipment + process samples for lab		
1745	START off site for day		
PM			
9/10/21			

10/14/21 Bishopgate RV Monday
weather: overcast showers 60's

0705 START Newton on site.

Safety Mtg. EPRs @ 0730 for
KRM stockpile load out

0730 2 trucks on site for loading

EPRs lining trucks with burlap

0742 3rd truck on site

0820 3 trucks loaded & off site.

• Trucks are lined and "burnts" are pped with burlap and adhesive spray is applied to the burlap to seal it shut & a fabric cover is placed over the roll off box prior to leaving.

0823 START set up air monitoring stations @ perimeter & 3 head pumps (1 @ each perimeter).

0830 START Gaskets on site for training. Help set up air monitoring stations.

• More trucks on site. EPRs has A running today for loader (5 trucks)

0946 8th truck on site for loading

10/14/21 Bishopgate RV Monday 25

1058 Light rain showers, chills on argument = all ok

1107 Total of 7 trucks so far today

1112 8th truck on site

1117 9th truck on site

1148 10, 11, 12 trucks on site

1207 3rd Green Fraction Trucking on site

1231 Red "89" on site

1337 Trucks 14 + 15 on site

1400 START Gaskets 3rd time

⇒ SPRET conducted a Lunar Survey (for Hg) and a Lithium Survey (for relaxation) of site at 1400 and site grounds. No elevated readings above background observed.

⇒ Phys. chemicals are being stored in a locked closet in Bldg. #2.

1420 EPRs digger's out "free area" on N. side of site per EPA.

1450 Trucks leave for day. 2 more may stop back for pre-load.

1450 Total of 17 truck loads today.

(16 on street)

R. W. R.

10/4/21

Bishopgate RV Monday

16.25

STRET breaking air

monitoring equipment + prep
air samples for lab

- ERPS continued digging along the 12" transite lined runway along the north side of storm pipe runs for ~160', then 90's to south for ~150' so far.

⇒ A couple trucks had to be turned away from being loaded today because their offset cover was not working to properly cover truck load.

1730 START off site to hotel

Lump = No detections

Ludlow = 1-3 uR/hr background

10/4/21

10/5/21

Bishopgate RV Tuesday 27

weather: overcast, s's, SW 3 mph

0700 STRET tanker on site. Safety

info. 2 trucks on site for loading

0800 START GRNs on site. set up

air monitoring stations + 3 ACM

air samples. STRET also using

mobile DEX @ misc areas of site

to check particulate dust levels

0845 ERAs is digging misc areas

around Bldg #1 for transite.

1039 EPA analyzed ERAs to place over

(concrete) pipes over the Bldg. #2

open holes to basement as a

safety precaution (see photos)

1151 ERAs is excavating the stained

soil area in the NW corner of

site by wooded area, per EPA.

⇒ Sphered trucks have been turned

away from site again today b/c

their covers are not functional, so

they can not be loaded. 1403

ERAs received a load of truck

liners to the site today.

• START collected 3 samples of

the 12" pipe running along the

Rite in the Rain

10/5/21 Bishopate Rd Tuesday
 north + west side of site
 1421 trees removed 170 balls of
 straw to the site.
 ⇒ start GOMs off site @ 1400.
 1517 start continue aspecting
 excavated areas for fossilsite.
 1636 start break down air
 monitoring equipment + process
 samples for lab + FedEx
 • Total of 8 trucks loaded
 today
 1730 fill parties off site

~~10/5/21~~

10/6/21	Bishop CATE	RV	Wednesday 10/29
LEAVES - Overcast	W's	west 5 to north	
0700 - START	LEANS	on - S, N	
START METRIC	4	TRUCKS	on - S, N
0745 - START	SET UP	ALL now metric	
STARTS + 3	ALL	GRAPES	
Also used	metric	TRAX	@ various
LEAVES			
0800 - START	ALL	now metric	
EARLY CLEANING	TRUCK	ALL now metric	
TRUCKS #1 AND #2			
0930 - STAND	SET UP	4 TRUCKS	
EXES	BEANS	CLEANING	SOME METRIC
WEST OF	BOULDER #1		
CUTLICKED	PUMPS	USED	metric ALL
1130 - LEAVES	PUMPS		
CONTINUED	CLEANING	AREA	FEEL CLOSE
ASD	MATERIALS		
1230 - FINISH	SET UP	4 TRUCKS	
LEAVES	FINISH	N	ALL METRIC
TO SCENE FOR	ASBESTOS	MATERIALS	
WORK	CONTINUED	ON	CLEANING SOME
TO	METRIC	WEST OF	BOULDER #1
1445 - USED	metric	ALL	metric
EXCAVATION			

Asbestos in Area

10/6/21

Bishopgate RV

Wednesday

14:30 - Excavations

Found "islands"

15:30 - Concrete Pours

16:45 - ECRS 13 ECRN 10 MCR (wind)

17:00 - SUR DOO Pours

and Ocean rock U'

RERS OFF-SITE

17:50 - Sines (CRMS) OFF SITE

Total of 12 trucks today

10/6/21

10/7/21

Bishopgate RV

Thursday

Weather: Sun 70's, mild 5 mph

0800 start weather on site. Supply

mtg. Sharp objects, truck traffic.

0725 Start deploying air monitors

stations + 03. Air air samples.

- 3 trucks on site for loading

0848 start collect soil samples from

excavated grids B1 + A2

0901 2nd round of trucks on site

1015 Air station check - all OK

1147 Added batteries to DEX

1214 3rd round of trucks on site

1551 EPA, ECRS + start conduct

16 test pit digs along the site

perimeter grassy area on the west

and south sides of remediation

area. A couple small pieces of

transite were found a western edge

of perimeter + were removed

placed into ACM debris pile.

- ECRS placing 1000's of western edge

of site to below inspection area.

1700 Sample pool - show 12" type

15 transite asbestos

1730 START pack up samples & off site

Total trucks 18-9

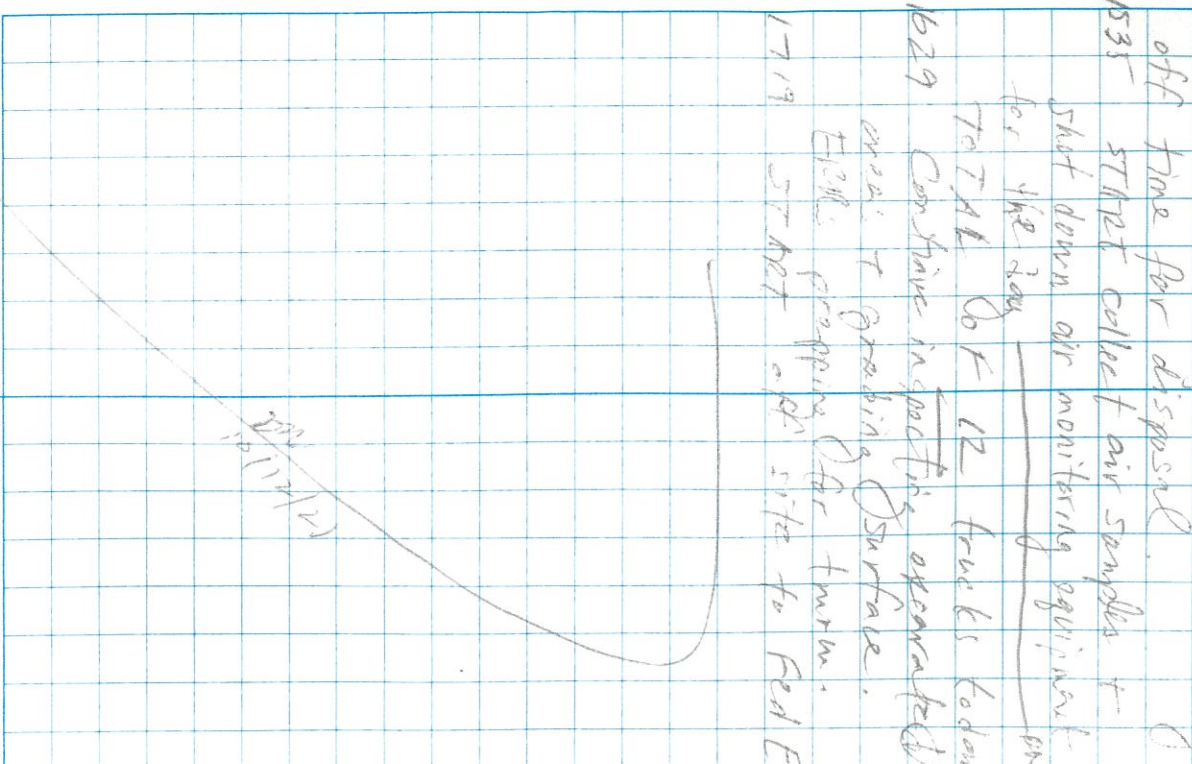
0700 Arrive! Ten to 5, 11 mtd.
 + no work on 10/11/11 (Friday)
 0700 START monitor on site
 - 2 trucks on site
 for grading 1050 trucks off site
 0715 start deep air monitoring
 equipment at 3 ACN samples
 0730 use knife on site for ACN
 backer this week.
 0815 EPPS is continuing grading
 the stratified areas in A3
 0850 4th truck filled + off site.
 0905 5th + 6th trucks on site
 1003 START + EPPS inspecting "granite"
 1008 for fissures (100m)
 on surface. EPPS in grading
 back dragging stratified areas
 to road - surface - 500 ft
 placement (using skid steer)
 1120 3rd round of trucks on site
 1200 START - air monitoring check
 1320 Continue grading A2 + A3 and
 inspecting surface for fissures.
 1410 Truck on site but turned
 away due to load fill out.

10/12/21

Bishopate Rd

Tuesday 35

off time for disposal.
 1535 START collect air samples +
 shot down air monitoring equipment
 for the day.
 1629 TO TAIL Off 12 trucks today
 Continue inspecting stratified
 areas + grading surface.
 EPPS preparing for turn.
 1719 START off site to Red Ex



10/12/21

10/13/21 Bishopdale RV Wednesday
 weather 63° S overcast, WSW 3 mph
 0700 START on site. Safety Mtg.
 4 trucks on site ready for
 contact.
 0715 Start digging and monitoring
 equipment + set up 3 ACM
 air sample locations.
 0905 2nd round of trucks on site
 1005 Air station check
 1111 2nd round of trucks on site.
 1128 START inspect excavated Area B
 1245 Air station check
 1556 Confine to grade and inspect
 excavated areas
 1450 STREET shut down monitoring
 equipment + collect ACM samples
 1515 All parties of site for day
 Total # of trucks 13

* No ACM samples sent
 to lab until further
 notice - per OGC.

~~10/13/21~~

10/14/21 Bishopdale RV Thursday
 weather 70° S, WSW 5 mph
 0700 START on site. Safety Mtg.
 3 trucks on site for loading
 0755 Clear Earth on site to put
 up lab pack materials
 0808 2nd round of trucks on site
 0715 START dig and monitoring
 equipment + 3 ACM samples
 0950 EPRS confine grading the
 excavated areas & start is
 inspecting for trans site on surface
 0945 Clean Earth off site
 1051 3rd round of trucks on site
 1301 1 truck on site for loading
 - EPRS is waiting down pile
 1500 START breakdown equipment
 + ACM samples.
 1515 All parties off site
 Total trucks 15

~~10/14/21~~

10/15/2021

0700	WARRICK 70°S	WIND	↑ N @ 2 MPH
0700	Start	(Cans)	on-site
0715	First 4	Trucks	Ready for work out
0730	Start	SETS	up 2 AIR monitors
0745	NO2	3	AIR SAMPLES
0800	Start	AIR	monitors
0815	Start	SET	of Foul
0845	Trucks	Ready	for work out
0945	Ends	all	continuous sections
NO2	collected	of	western end
OF	MIXED	Soil	
1000	End	DRX	done work out
OF	TRUCK		
1100	FIELD	SET	OF Trucks
FOR	COND	OUT	checked equipment
1200	ENDS	continuous	to SEED +
COCK	w/	ANY	EQUIPMENT CHECKS
1305	Foul	ROUND	OF Trucks
BLIND	is	MEASURE	
1345	ENDS	BLIND	measure
TO	KEEP	DEBS	from
1500	START	BLIND	is done down
SAMPLE	EQUIPMENT		
1530	ALL	MONITORS	OFF-SITE
(13)			
(13)	TOTAL	TRUCKS	

10/18/28

Bishopate RV

Monday 39

0700	WARRICK	40-60°	Sunny, warm	Temp
0705	START	monitors on site.		
	Trucks	on site for loading.	START	
	deploy	air monitoring equipment +		
	Set	of 3 ACM samples & site perimeter.		
0757	Trucks	off site.	ENDS	
	continued	to seed areas A1 + A3		
	+ place	straw over top of seed.		
0911	2nd	round of trucks on site.		
1039	Change	of pump battery to AM-2		
1118	2nd	round of trucks on site		
1337	2-TRUCKS	on site		
1428	ENDS	Continue spreading straw		
	(straw)	on seeded areas		
1457	START	breakdown air monitoring		
	equipment + ACM samples.			
	14 TOTAL	TRUCKS today		
1530	ALL	parties off site		

10/18/21

10/19/21

Bishopgate Rd

Tuesday

weather:

Sun 80's, wsw 10 mph

0700 START monitor on site. 4

trucks on site for loading.

0755 All trucks off site. ERPS

continue spreading straw on

seeded areas.

• START duplon air monitoring

equipment + 03 ACM air samples

0804 2nd round of trucks on site.

1001 Air monitoring checks. Add

batteries to PLX

1048 Trucks on site for loading

1252 2 Trucks on site for loading

1400 Continue placing straw on

seeded areas. Must site

clean up + prep of supplies

1530 All parties off site

14 Total trucks today

(13)

10/19/21

10/20/21

Bishopgate Rd

Wednesday

weather:

Sun 80's, SW 10 mph

0700 START monitor on site.

Crew prepped for loading.

0715 1 truck on site for loading

- NO more trucks

0810 ERPS is using water

buffalo to water the seedbeds

+ strawed areas

0916 2nd truck on site

1110 3rd truck on site

1310 4th truck on site

- NO more trucks today. START

pack up our monitoring equip.

- ERPS take water buffalo

back to Lakeview.

1400 All parties off site

4 Total trucks today

10/20/21

10/21/21 Bishopate RV 10/21/21

Weather: sun 88°S, SW 13 mph
0700 START monitor on site.1 truck on site for loading.
0715 Set up our monitoring equip.

+ 3 Hcm air samples.

0939 2nd truck on site- EPPS RA contacted Luke Topp to
see if they could get any trucks
to help finish out loading the
debris pile. They now have 4
trucks for forward available.1129 3rd truck on site1145 4th truck on site

1230 EOM on site to pick up supplies

1303 START take down our monitor

equipment due to heavy rain.
1318 5th truck on site. light

rain continues

1415 All parties off site

5 total trucks

(4)

~~10/21/21~~

10/22/21 Bishopate RV

10/22/21 43

Weather: light rain 50° weather
0700 START monitor on site.

Deploy air monitoring equipment

+ 3 car samples

0725 First long bed truck on
site (2 trucks on site)0751 3rd + 4th + 5th truckson site + 6th truck

0855 All 6 trucks loaded + off site

1040 Trucks 7 + 8 on site

1105 Air monitoring check

1245 2 trucks on site (9 + 10)

1330 START take down our

monitoring equipment + collect
samples! EPPS, EPA + START
pack up trailers for Demco
1420 START off site to pull the
+ office. Final demobilization.

13 trucks today

~~10/22/21~~

LAST PAGE

APPENDIX E
START ANALYTICAL DATA VALIDATION REPORT



December 1, 2021

Mr. Andrew Kocher
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 5
Superfund and Emergency Management Division
25063 Center Ridge Road
Westlake, Ohio 44145

**Subject: Data Validation Report
Bishopgate Properties Site – RV
EPA Contract No.: 68HE0519D0005
Task Order/Task Order Line Item No.: 68HE0520F0032/0001CH108
Document Tracking No. 0960**

Dear Mr. Kocher:

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for 59 air samples (including 15 field blank samples), 6 soil samples, and 3 building material samples collected at the Bishopgate Properties Site. The samples were collected on September 14, 2021 through October 12, 2021 and were analyzed for asbestos by Eurofins EMLab P&K. The final laboratory data package was received on November 5, 2021.

Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines for Inorganic Superfund Methods Data Review* (January 2020).

No rejection or qualification of results was required for this data package. The results may be used as reported by the laboratory.

If you have any questions regarding this data validation report, please call me at (612) 419-7266

Sincerely,

A handwritten signature in black ink, appearing to read 'Talaidh Isaacs'.

Talaidh Isaacs
Environmental Chemist

Enclosure

cc: Chris Burns, Tetra Tech Program Manager
Don Newton, Tetra Tech Project Manager
Caeli Cleary, Tetra Tech Project Document Control Coordinator
TDD File

ATTACHMENT

**DATA VALIDATION REPORT
EUROFINS EMLAB P&K REPORT NOS. 2737735, 2738397,
2738399, 2740720, 2744676, 2746804,
2749140, 2752575, 2753258, 2755112, 2755665, AND 2758452**

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960a	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2737735		
Analyses	Asbestos by California Air Resources Board (CARB) Method 435		
Samples and Matrix	Two soil samples		
Field Duplicate Pairs	None		
Field QC Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV SOIL ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2737735

Eurofins EMLab P&K

Client: TestAmerica-University Park, IL

Date of Sampling: 09-16-2021 and 09-17-2021

C/O: Jim Knapp

Date of Receipt: 09-18-2021

Re: Bishopgate; TetraTech

Date of Report: 11-05-2021

Location:	BP-TTA-091621		
Total Points Counted:	400		
Lab ID-Version :	13099806-1		
Sample Layers	Asbestos Type	Asbestos Points Counted	Asbestos Concentration (%)
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Location:	BP-AI-091721		
Total Points Counted:	400		
Lab ID-Version :	13099807-1		
Sample Layers	Asbestos Type	Asbestos Points Counted	Asbestos Concentration (%)
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Eurofins EPK Built Environment Testing, LLC

EMLab Id: 2737735

TI
11/9/2021

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960b	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2738397		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Seven air samples, including two field blanks		
Field Duplicate Pairs	None		
Field QC Blanks	FB-091421 and FB-091621		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

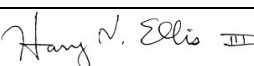
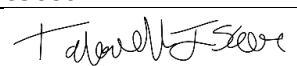
See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
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R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2738397

Sample ID	Analyses	Lab Result	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-091421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-091421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-091421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-091421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-091421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-091421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-091421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-091421	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-091421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-01-091621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-091621	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-091621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-091621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-091621	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-091621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-091621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-091621	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-091621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-091621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-091621	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-091621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960c	Technical Reviewer (signature and date)	 11 November 2021
Data Reviewer (signature and date)	 Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2738399		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Four air samples, including one field blank		
Field Duplicate Pairs	None		
Field QC Blanks	FB-091721		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2738399

Sample ID	Analyses	Lab Result	Lab Qual	DL	Units	Val Result	Val Qual
AM-01-091721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-091721	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-091721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-091721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-091721	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-091721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-091721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-091721	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-091721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-091721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-091721	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-091721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960d	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2740720		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Four air samples, including one field blank sample		
Field Duplicate Pairs	None		
Field QC Blanks	FB-092021		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2740720

Sample ID	Analyses	Lab Result	Lab Qual	DL	Units	Val Result	Val Qual
AM-01-092021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-092021	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-092021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-092021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-092021	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-092021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-092021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-092021	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-092021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-092021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-092021	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-092021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960e	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2744676		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Eight air samples, including two field blanks		
Field Duplicate Pairs	None		
Field QC Blanks	FB-092321 and FB-092421		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020), and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2744676

Sample ID	Analyses	Lab Result	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-092321	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-092321	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-092321	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-092321	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-092321	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-092321	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-092321	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-092321	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-092321	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-092321	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-092321	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-092321	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-01-092421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-092421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-092421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-092421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-092421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-092421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-092421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-092421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-092421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-092421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-092421	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-092421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960f	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2746804		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Four air samples, including one field blank		
Field Duplicate Pairs	None		
Field QC Blanks	FB-092821		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2746804

Sample ID	Analyses	Result Value	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-092821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-092821	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-092821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-092821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-092821	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-092821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-092821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-092821	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-092821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-092821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-092821	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-092821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960g	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2749140		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Eight air samples, including two field blanks		
Field Duplicate Pairs	None		
Field QC Blanks	FB-092921 and FB-093021		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2749140

Sample ID	Analyses	Lab Result	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-092921	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-092921	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-092921	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-092921	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-092921	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-092921	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-092921	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-092921	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-092921	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-092921	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-092921	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-092921	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-01-093021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-093021	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-093021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-093021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-093021	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-093021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-093021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-093021	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-093021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-093021	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-093021	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-093021	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960h	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2752575		
Analyses	Asbestos by Polarized Light Microscopy Bulk Analysis		
Samples and Matrix	Three building material samples		
Field Duplicate Pairs	None		
Field QC Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV BULK ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2752575

Sample ID	Method	Analyte	Lab Result	Lab Qual	Unit	Val Result	Val Qual
Pipe-01	PLM Bulk	Chrysotile	25		%	25	
Pipe-01	PLM Bulk	Crocidolite	7		%	7	
Pipe-02	PLM Bulk	Chrysotile	25		%	25	
Pipe-02	PLM Bulk	Crocidolite	7		%	7	
Pipe-03	PLM Bulk	Chrysotile	25		%	25	
Pipe-03	PLM Bulk	Crocidolite	7		%	7	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960i	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2753258		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Eight air samples, including two field blanks		
Field Duplicate Pairs	None		
Field QC Blanks	FB-100421 and FB-100521		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2753258

Sample ID	Analyses	Lab Result	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-100421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-100421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-100421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-100421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-100421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-100421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-100421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-100421	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-100421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-100421	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-100421	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-100421	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-01-100521	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-100521	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-100521	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-100521	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-100521	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-100521	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-100521	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-100521	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-100521	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-100521	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-100521	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-100521	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960j	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>Talawa J. Scott</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2755112		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Eight air samples, including two field blanks		
Field Duplicate Pairs	None		
Field QC Blanks	FB-100621 and FB-100721		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2755112

Sample ID	Analyses	Lab Result	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-100621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-100621	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-100621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-100621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-100621	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-100621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-100621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-100621	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-100621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-100621	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-100621	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-100621	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-01-100721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-100721	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-100721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-100721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-100721	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-100721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-100721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-100721	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-100721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-100721	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-100721	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-100721	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960k	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2755665		
Analyses	Asbestos by California Air Resources Board (CARB) Method 435		
Samples and Matrix	Four soil samples		
Field Duplicate Pairs	None		
Field QC Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020) and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV SOIL ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2755665

Eurofins EMLab P&K

Client: TestAmerica-University Park, IL
C/O: Jim Knapp
Re: Bishopgate

Date of Sampling: 10-08-2021
Date of Receipt: 10-11-2021
Date of Report: 11-05-2021

Location:	BP-B1-092221		
Total Points Counted:	400		
Lab ID-Version :	13187316-1		
Sample Layers	Asbestos Type	Asbestos Points Counted	Asbestos Concentration (%)
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Location:	BP-A2-100721		
Total Points Counted:	400		
Lab ID-Version :	13187317-1		
Sample Layers	Asbestos Type	Asbestos Points Counted	Asbestos Concentration (%)
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Location:	BP-B2-100721		
Total Points Counted:	400		
Lab ID-Version :	13187318-1		
Sample Layers	Asbestos Type	Asbestos Points Counted	Asbestos Concentration (%)
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Location:	BP-A3-100821		
Total Points Counted:	400		
Lab ID-Version :	13187319-1		
Sample Layers	Asbestos Type	Asbestos Points Counted	Asbestos Concentration (%)
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Eurofins EPK Built Environment Testing, LLC
EMLab Id: 2755665

TI
11/9/2021

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Site Name	Bishopgate Properties RV	TO/TOLIN No.	68HE0520F0032
Document Tracking No.	0960I	Technical Reviewer (signature and date)	<i>Harry N. Ellis III</i> 11 November 2021
Data Reviewer (signature and date)	<i>T. J. Seave</i> Nov 9 th 2021	Laboratory	Eurofins TestAmerica – EMLab P&K, Chicago, IL
Laboratory Report No.	2758452		
Analyses	Asbestos by NIOSH Method 7400		
Samples and Matrix	Eight air samples, including two field blanks		
Field Duplicate Pairs	None		
Field QC Blanks	FB-100821 and FB-101221		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 2* (August 2020), and the EPA *NFGs for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected or qualified in this data package. The results of the data package may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The reported results were only reviewed for completeness based on the available data provided and any applicable quality control information presented by the laboratory.

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Method blanks:

Within Criteria	Exceedance/Notes
NA	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
NA	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
NA	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A EPA REGION 5 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

BISHOPGATE PROPERTIES SITE RV AIR ANALYTICAL SAMPLE RESULTS
EUROFINS EMLAB P and K REPORT NO. 2758452

Sample ID	Analyses	Lab Result	Lab Qual	DL	Unit	Val Result	Val Qual
AM-01-100821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-100821	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-100821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-100821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-100821	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-100821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-100821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-100821	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-100821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-100821	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-100821	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-100821	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-01-101221	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-01-101221	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-01-101221	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-02-101221	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-02-101221	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-02-101221	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
AM-03-101221	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
AM-03-101221	Asbestos and Other Fibers	<0.002		0.002	fibers/cc	0.002	U
AM-03-101221	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U
FB-101221	Asbestos and Other Fibers	<5.5		5.5	fibers	5.5	U
FB-101221	Asbestos and Other Fibers	NA		0	fibers/cc	NA	
FB-101221	Asbestos and Other Fibers	<7		7	fibers/mm2	7	U

APPENDIX F
ENVIRONMENTALLY PREFERRED PRACTICES CHECKLIST

TO/TOLIN #:	F0032-0001CH108
Site Name:	Bishopgate Properties Removal Site - Removal Action
Site City, State:	Uniontown, Stark County, Ohio
Site Project Manager:	Don Newton
EPA OSC:	Andrew Kocher

Environmentally Preferred General Field Practices				
If a general category is not applicable, then check N/A for the category box, not for each subcategory.	N= Not Used	N/A= Not Applicable	Y = Yes Implemented	Comments Section Justify in the comments for each BMP field as to why the practice was not used, not applicable, or implemented.
Energy				
Use of Energy Efficient Equipment				
Computer Equipment (FEMP/Energy Star)			Y	Computers printers and monitors used were Energy Star certified.
Installation of Electric Service			Y	Temporary electrical service was utilized as part of this field project.
Reduce Carbon Emissions from Transportation				
Use Internet Based Meetings/Conferences		N/A		Site trailers were in close proximity.
Maximize Carpooling			Y	ERRS employees carpoolled for their daily commute to the site.
Use of Local Labor/Suppliers/Waste Disposal Facilities (50-mile radius)			Y	START utilized local labor
No idling, except for extreme weather conditions			Y	Vehicles were not needed for use on site.
Use of Alternative Fuels, if available within 10 miles			Y	EPA used an alternative fuel vehicle (E85) for daily mobilization to and from the site.
Properly Inflated Tires			Y	All vehicles used onsite had properly inflated tires.
Email Small Files (less than 8MB)			Y	Files were electronically distributed through use of email, Sharepoint site, flashdrive or One-Drive as appropriate.
Reusable Electronic Storage Media or the Cloud			Y	Files were electronically distributed.
Water				
Use of Low Flow Sampling Pumps		N/A		Not Applicable to this project.
Waste				
Use of Local Recycling Programs			Y	Local recycling programs were utilized for this project. Used tires, concrete and scrap metal removed from the Site will be re-purposed for future use.

Environmentally Preferred General Field Practices				
If a general category is not applicable, then check N/A for the category box, not for each subcategory.	N= Not Used	N/A= Not Applicable	Y = Yes Implemented	Comments Section Justify in the comments for each BMP field as to why the practice was not used, not applicable, or implemented.
Use of Rechargeable Batteries			Y	Rechargeable batteries were utilized in air monitoring equipment and power tools.
Recycling – Other			Y	Materials onsite were recycled locally
Plastic Reduction		N/A		Plastic usage was not a major part of this project.
Reuse of Resources			Y	ERRS cleaned and re-used hand tools as part of this project.
Direct Push Boring		N/A		A Direct Push drill rig was not utilized as part of this project.
Materials				
Printing when Required				
Double-sided Printing			Y	Double-sided printing was used when printing was deemed necessary.
100% post-consumer recycled paper			Y	Recycled paper was used when printing was deemed necessary.
Land & Ecosystems				
Minimize Disruption to Natural Vegetation			Y	Excavation areas were re-stored to original conditions
Environmentally Preferred				
Green Procurement				
Environmentally Preferred Vendors			Y	Environmentally preferred vendors utilized: Field Environmental Instruments, Enviroserve, Clean Earth, Eurofins Lab, ALS Lab, WM Landfill
Green Lodging/Hotels			Y	ERRS employees stayed in a hotel that subscribes to environmentally friendly practices.
Use of Green Laboratories			Y	ALS and Eurofins Labs all implement sustainability practices and environmental management programs.

ATTACHMENT 1
DISPOSAL MANIFESTS

**TABLE 5
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF WASTE DISPOSAL TRACKING**

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
9/14/2021	091421-1	Municipal/Construction Demo Waste	American Landfill	Enviroserve	ROB229	22.16
9/14/2021	091421-2	Municipal/Construction Demo Waste	American Landfill	Enviroserve	ROB124	23.18
9/14/2021	091521-3	Municipal/Construction Demo Waste	American Landfill	Enviroserve	ROB229	26.22
9/15/2021	091521-4	Municipal/Construction Demo Waste	American Landfill	Enviroserve	Not Listed	24.45
		Municipal/Construction Demo Waste			TOTAL	96.01 TON
9/14/2021	511903OH (WMNA 001)	Asbestos - Friable	American Landfill	Enviroserve	Not Listed	30 cubic yards
9/17/2021	511903OH (WMNA 002)	Asbestos - Friable	American Landfill	Enviroserve	Not Listed	30 cubic yards
9/22/2021	511903OH (WMNA 003)	Asbestos - Friable	American Landfill	Enviroserve	Not Listed	30 cubic yards
		Asbestos Friable			TOTAL	90 cubic yards
10/1/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	24.65
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	25.66
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	88	17.22
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	69	19.52
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	18.86
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	16.77
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	88	17.15
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	69	15.27
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	16.37
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	22.52
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	18.54
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	1	18.92
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	88	22.26
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	69	21.07
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	17.88
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	20.71
9/30/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	23.18
9/30/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	22.16
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	19.86
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	27.11
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	19.52
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.85
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.08
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	27	17.48
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.41
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.24
10/5/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	16.94
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	18.55
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	0	18.16
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	20.08
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.56
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	0	22.41
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	23.46
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.81
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.88
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	23.4
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	25
10/6/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	0	20.07

TABLE 5
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF WASTE DISPOSAL TRACKING

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.28
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	23.36
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	38.48
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	20.07
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	23.38
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	23.02
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.6
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.84
10/7/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	24.53
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	20	21.69
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.86
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.71
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	20.55
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	20	22.89
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	23.11
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.79
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.81
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	20	20.33
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.45
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.98
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	21.9
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	23.6
10/8/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	24.01
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	27.18
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	22.57
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	26.02
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	12	16.7
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.68
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	19.18
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	21.81
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	16.98
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.67
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.92
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.03
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21
10/12/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	19.96
10/4/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	7	24.25
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.71
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.8
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.97
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	19.98
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.2
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	16.71
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.72
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	19.34
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.18
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	16.53
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.27
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Not Listed	116	20.16
10/13/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.62
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	22.02
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.29
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	18.14
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.48
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.05
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.84

**TABLE 5
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF WASTE DISPOSAL TRACKING**

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.58
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.9
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	14.67
10/14/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	20.39
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	19.66
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.06
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	13.21
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.01
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	18.3
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.2
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.92
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.09
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.35
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.97
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.31
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	23.76
10/15/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.83
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	25.2
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	25.81
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.95
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	24.61
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.72
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.36
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	15.97
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	20.69
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	21.22
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.05
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	21.13
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.54
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.1
10/18/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	18.85
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	19.51
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.45
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	23.42
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.91
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.18
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	20.68
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	21.75
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	22.01
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	16	17.28
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	21.51
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	13	19.99
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.58
10/19/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	78	20.2
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.22
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	23.85
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	22.88
10/20/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	25	23.3
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	16.33
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	16.18
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	WERAB	22	19.46
10/21/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	16.03
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	Paxton Trucking	211	17.7
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	1	32.84
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	CX-01	28.24
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	25	19.8

TABLE 5
BISHOPGATE PROPERTIES REMOVAL SITE
SUMMARY OF WASTE DISPOSAL TRACKING

Date	Manifest Approval #	Disposal Profile	Disposal Facility	Transportation Carrier	Carrier ID	Total Weight (TON)
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	HUBER TRUCKING	10	18.24
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	11	23.18
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	9	22.73
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	1	23.69
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	CX 01	23.15
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	11	21.77
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	CASH CUSTOMER	9	20.72
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	ch 01	26.8
10/22/2021	512005OH	Asbestos - Friable (Soil)	American Landfill	METKER-ECH	CX01	22.86
		Asbestos - Friable (Soil)			TOTAL	3348.63
10/14/2021	16207934 FLE	Sodium Waste Hypochlorite Solution	Petro Chemical Processing Group	Clean Earth Specialty Waste Solutions	Not Listed	182 pounds
10/14/2021	16207934 FLE	Flammable Liquids	Petro Chemical Processing Group	Clean Earth Specialty Waste Solutions	Not Listed	205 pounds
10/14/2021	16207934 FLE	Non-DOT/Non-RCRA	Petro Chemical Processing Group	Clean Earth Specialty Waste Solutions	Not Listed	5 pounds
		Non-DOT/Non-RCRA			TOTAL	392 Pounds
Notes:						
DOT - Department of Transportation						
ID - Identification						
RCRA - Resource Conservation and Recovery Act						